ANNUAL SUMMARY OF VITAL STATISTICS

KANSAS

1982

Kansas Department of Health and Environment

ANNUAL SUMMARY OF VITAL STATISTICS KANSAS, 1982

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HIGHLIGHTS

Live Births

The Kansas live birth rate in 1982 of 16.9 represented a 1.7 percent decrease from the 1981 rate of 17.2 (p. 27)

Kansas birth rates and fertility rates have followed a pattern similar to national birth and fertility rates during the past twenty years. (Figure 5, p. 26 and Figure 6, p. 28)

Of the 40,757 births in 1982, only 174 (0.4 percent) occurred outside of the hospital setting. (p. 29)

In 1982 out-of-wedlock births to Kansas residents reached 5,259; the highest number recorded in a single year. These out-of-wedlock births represented 12.9 percent, a record high, of all live births in 1982. (Table 4, p. 32 and Figure 8, p. 33)

Birth-Related Mortality

Neonatal deaths totaled 273 in 1982, a decrease of 15.2 percent from the 322 recorded in 1981. (Table 1, p. 14)

In 1982 the number of abortions reported in Kansas decreased 8.5 percent, from 12,137 in 1981 to 11,107 in 1982. (p. 37)

There has been a general downward trend in the number of perinatal deaths since 1955. The number of deaths decreased from 1,604 in 1955 to 570 in 1982. (Figure 11, p. 41 and Table 5, p. 42)

In 1982 the Kansas infant death rate was 10.2 per thousand live births. The Kansas rate was 8.9 percent lower than the estimated United States rate of 11.2. (p. 43)

Congenital anomalies was the most common cause of infant death in Kansas in 1982 and accounted for 23.5 percent of all infant deaths. (Table 6, p. 45)

General Mortality

The Kansas death rate in 1982 remained unchanged from the previous year at 9.0 deaths per thousand population. (Figure 14, p. 49)

The average age at death of Kansas residents in 1982 was 71.2 years. The average age of males in 1982 was 68.0 at the time of death; that of females was 74.7. (Table 7, p. 53)

Highlights (cont.)

Heart disease, cancer, cerebrovascular disease and accidents were the four leading causes of death among Kansans in 1982 and accounted for 72.1 percent of all deaths. (Figure 18, p. 60)

Heart disease, the number one cause of death in Kansas claimed 8,259 lives in 1982 and constituted 38.1 percent of the total number of deaths. (Figure 18, p. 60)

The cancer death rate in Kansas was 183.3 in 1982, 2.8 percent lower than the estimated national rate of 188.6. (p. 59)

The Kansas suicide rate was 11.3 in 1982, 3.4 percent lower than the estimated 1982 national rate of 11.7. (p. 68)

The Kansas homicide and legal intervention rate was 6.0 per hundred thousand population in 1982; 37.5 percent lower than the estimated national rate of 9.6. (p. 68)

In 1982, only 387 deaths were attributed to atherosclerosis; yet 1,428 of the ten leading underlying causes listed atherosclerosis as a contributing factor. (Table 16, p. 71)

Marriages

The 26,670 marriages performed in Kansas in 1982 represented a 2.0 percent increase over the 26,137 performed in 1981. The marriage rate was 11.1, a 1.8 percent increase over the 1981 rate of 10.9 per 1,000 population. (p. 75, and Figure 20, p. 74)

More wedding ceremonies were performed in June than any other month in 1982, with May and July being the second and third most popular months. (p. 78)

Divorces and Annulments

The number of divorces and annulments granted in Kansas decreased 9.8 percent from the 13,737 in 1981 to 12,392 in 1982. The divorce rate decreased significantly (10.7 percent) from the 1981 rate of 5.6 to the 1982 rate of 5.0. (p. 81, and Figure 20, p. 74)

Marriages ending in divorce lasted an average of 8.1 years, while those receiving annulments lasted an average of 1.5 years. (p. 83)

INTRODUCTION

KANSAS VITAL STATISTICS FOR 1982

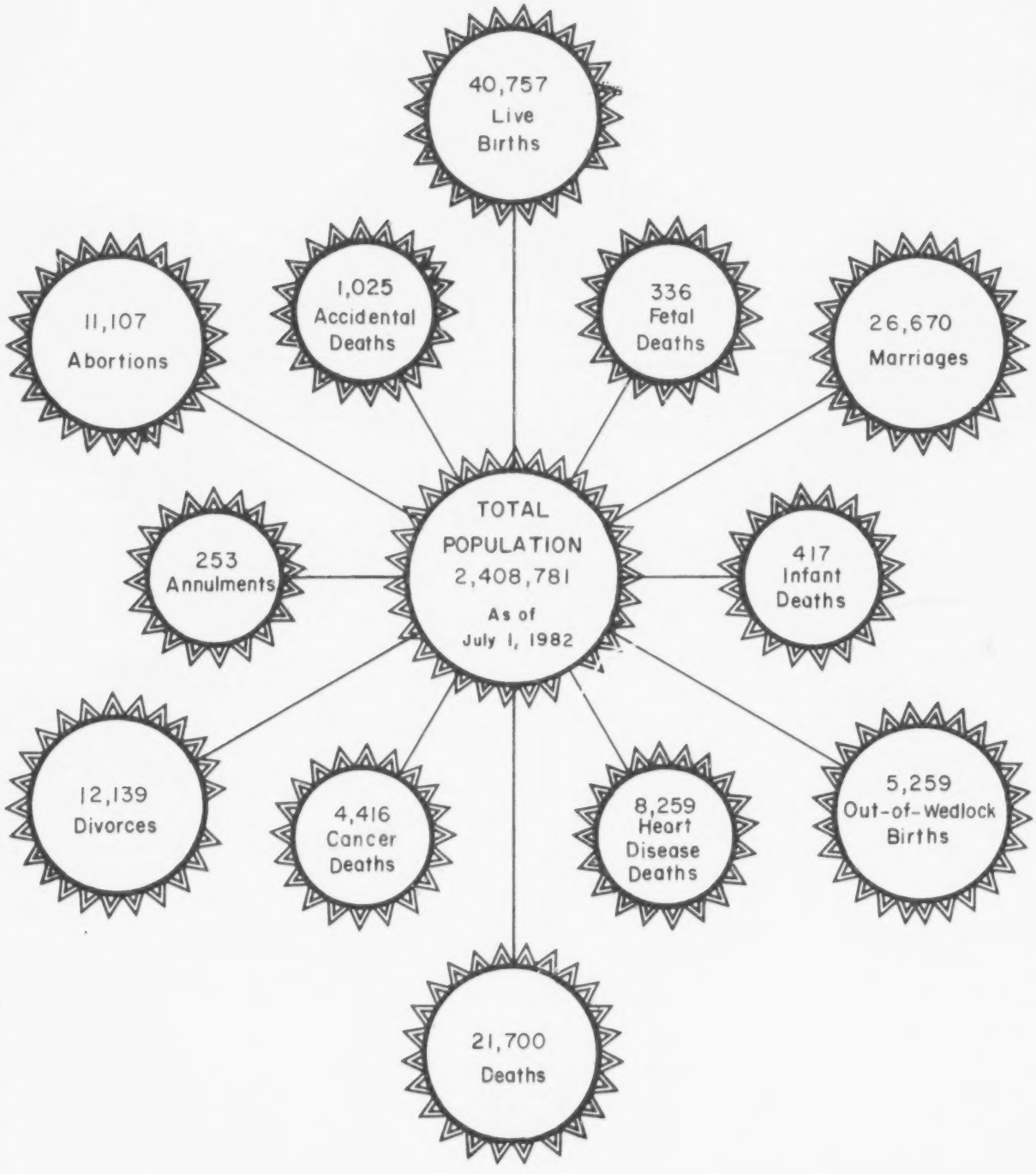


Figure 1

Marriages, divorces, annulments and abortions are displayed above as occurrence data and all other vital statistics represent residence data.

INTRODUCTION

The Kansas Department of Health and Environment presents the 1982 edition of the Kansas Annual Summary of Vital Statistics. This report is a summary of data compiled from vital and health records for the 1982 calendar year and these data are displayed in Figure 1. The contents include information on population, abortion, and such vital events as live births, fetal deaths, deaths, marriages, divorces and annulments.

Registration

The statewide registration of marriage, birth and death records was initially established as a statutory duty of the Kansas State Board of Health (now the Kansas Department of Health and Environment) in 1885. At that time the law, K.S.A. 65-102, specifically provided that, "the state board of health shall supervise the registration of marriages, births and deaths, and also the registration of forms of disease prevalent in the state; and the secretary of said board shall superintend the registration of the vital statistics of the state." In 1911, systematic filing of the birth and death records at the State level was begun. Registration requirements for marriages and divorces were initiated in 1913 and 1951, respectively. Since registration of vital events began seventy-two years ago, over six million records have been processed, filed and indexed.

Technical Notes

The information presented in this report includes statistics compiled from records received during 1982 and any delayed 1982 events registered during the first four months of 1983. Certificates which were submitted after that time are considered to be negligible for purposes of annual statistical compilations. Therefore, no adjustments have been made for under-registration.

The data contained in this annual summary are primarily residence data and refer to events happening to Kansas residents (classified by county of usual residence) regardless of where the event occurred. Mother's usual residence is utilized with reference to births and fetal deaths (stillbirths). In most instances abortion information refers to Kansas resident abortions; however occurrence data are occasionally referenced. Marriages, divorces and annulments are occurrence data, for residents and nonresidents, in that marriages are recorded by county of marriage and divorces and annulments by county of decree. In many cases annulments have been grouped with divorces for purposes of presentation in this report.

The 1982, 1981 and 1979 State, county and city population estimates utilized throughout the report were prepared by the Kansas Department of Health and Environment (KDHE) and were computed by using U.S. Bureau of the Census figures as a base and extrapolating by the method of least squares regression. The 1980 population figures were preliminary data obtained from the U.S. Bureau of the Census. Population figures prior to 1979 were obtained from the U.S. Bureau of the Census during census years and from compilations prepared by the State Board of Agriculture from reports by county appraisers during noncensus years.

The KDHE estimates were used beginning in 1979 because (1) the Agricultural Census had been terminated by the Legislature and additionally (2) students, military personnel, inmates of institutions and also migrant workers are assigned to the last prior legal residence by the Agricultural Census and to their current place of abode by the U.S. Census. Health care needs for military, migrant workers, students, etc. can best be addressed by using their current residence rather than their permanent residence.

The difference in residence assignment for students and military accounts for the largest difference in county populations between 1978 and 1979 as shown in Table 23 (i.e. Geary and Riley counties). Note that Geary County had a birth rate of 43.3 per 1,000 population in 1982 compared to 57.1 in 1978. The magnitude of the difference is primarily due to the fact that prior to 1979 the Agricultural Census was used as the basis for computing rates; hence babies born to military wives were counted in our numerator, but the military population was omitted in the denominator.

In many cases rates and ratios are based upon a small number of events and/or a small population or upon a different population base. Therefore, care should be exercised in the interpretation of these data as they may not be indicative of actual trends.

Comments and suggestions concerning the contents or general format of this report are welcome and should be directed to the Kansas Department of Health and Environment. Since this publication is only a summary, many details which are being tabulated for inclusion in the Department's permanent statistical files are not presented. More detailed information may be obtained from KDHE upon request.

DEFINITIONS

DEFINITIONS

The following terms, formulas and symbols are defined for more meaningful interpretation of the data contained in this report.

TERMS

Abortion: (induced termination of pregnancy)	The purposeful interruption of pregnancy with the intention other than to produce a liveborn infant or to remove a dead fetus and which does not result in a live birth.
Birth Weight:	The weight of the fetus or infant at the time of delivery.
Cause of Death:	The underlying cause of death, or that condition giving rise to the chain of events leading to death.
Fetal Death:	The complete expulsion or extraction of a product of human conception from its mother, which weighs more than 350 grams and which is, irrespective of the duration of pregnancy, not a live birth. (Intentionally aborted fetuses which weigh more than 350 grams are not included as fetal deaths in this report.)
Hebdomadal Death:	The death of a liveborn infant which occurs prior to the seventh day of life.
I.C.D. Code:	The disease-identifying number classified in the Ninth Revision of the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death, Adopted (1975).
Infant Death:	The death of a liveborn infant which occurs within the first year of life.
Live Birth:	The complete expulsion or extraction of a product of human conception from its mother, irrespective of the duration of pregnancy, which, after such expulsion or extraction, shows any evidence of life such as breathing, heart beat, pulsation of the umbilical cord, or voluntary muscle movement, whether or not the umbilical cord has been cut or the placenta attached.

Maternal Death:	The death of a mother caused by complications of pregnancy, childbirth or the puerperium.
Natural Increase:	Live births minus total deaths of a population within a given year.
Neonatal Death:	The death of a liveborn infant which occurs prior to the twenty-eighth day of life.
Net Migration:	The population increase or decrease minus the natural increase.
Occurrence Data:	Vital statistics compiled on the basis of where the vital event actually occurred.
Out-of-Wedlock Birth:	A birth occurring to a mother who is not married at the time of conception, at the time of birth or at any time between conception and birth.
Perinatal Period III Death:	The death of a fetus which weighs more than 350 grams or of a liveborn infant during the hebdomadal period (less than seven days after birth).
Population Density:	The average number of inhabitants per square mile.
Premature Birth:	Birth of an infant weighing less than 2,500 grams (5 lbs. 8 oz.) at the time of birth.
Residence Data:	Vital statistics compiled on the basis of the usual place of residence of the person(s) to whom the vital event occurred.
Total Births:	All live births plus fetal deaths.

RATES AND RATIOS

Abortion Ratio:	$\frac{\text{induced abortions}}{\text{live births}}$	X 1,000
Birth Rate:	$\frac{\text{live births}}{\text{total population}}$	X 1,000
Death Rate:	$\frac{\text{total deaths}}{\text{total population}}$	X 1,000
Disease-Specific Death Rate:	$\frac{\text{disease-specific deaths}}{\text{total population}}$	X 100,000

Divorce Rate:	$\frac{\text{divorces}}{\text{total population}}$	X	1,000
Divorce and Annulment Rate:	$\frac{\text{divorces and annulments}}{\text{total population}}$	X	1,000
Fertility Rate:	$\frac{\text{live births}}{\text{female population 15-44}}$	X	1,000
Fetal Death Rate:	$\frac{\text{fetal deaths}}{\text{total births}}$	X	1,000
Hebdomadal Death Rate:	$\frac{\text{hebdomadal deaths}}{\text{live births}}$	X	1,000
Infant Death Rate:	$\frac{\text{infant deaths}}{\text{live births}}$	X	1,000
Marriage Rate:	$\frac{\text{marriages}}{\text{total population}}$	X	1,000
Maternal Death Rate:	$\frac{\text{maternal deaths}}{\text{live births}}$	X	10,000
Natural Increase Rate:	$\frac{\text{live births minus total deaths}}{\text{total population}}$	X	1,000
Neonatal Death Rate:	$\frac{\text{neonatal deaths}}{\text{live births}}$	X	1,000
Net Migration Rate:	$\frac{\text{net migration}}{\text{total population}}$	X	1,000
Out-of-Wedlock Birth Ratio:	$\frac{\text{out-of-wedlock births}}{\text{live births}}$	X	100
Perinatal Period III Death Rate:	$\frac{\text{perinatal deaths}}{\text{total births}}$	X	1,000
Premature Birth Ratio:	$\frac{\text{premature births}}{\text{live births}}$	X	100

SYMBOLS AND ABBREVIATIONS

n.s.	not stated
n.a.	not available
n/a	not applicable
-	zero
0.0	quantity or percent more than zero but less than 0.05.
...	rate or percent not applicable
*	rate, ratio, or percent does not meet statistical standards of precision or reliability (designated whenever the denominator is less than 100).

SUMMARY OF VITAL EVENTS

Table 1
Vital Events and Percent Change
Kansas, 1982, 1981 and 1972

Vital Event	1982	1981	Percent Change 1981 to 1982	1972	Percent Change 1972 to 1982
Total Births.....	41,093	41,518	-1.0	33,599	+22.3
Live Births.....	40,757	41,202	-1.1	33,176	+22.9
Premature.....	2,532	2,575	-1.7	2,269	+11.6
Out-of-wedlock....	5,259	5,086	+3.4	2,829	+85.9
Fetal Deaths.....	336	316	+6.3	423	-20.6
Total Deaths.....	21,700	21,579	+0.6	22,335	-2.8
Perinatal Deaths..	570	580	-1.7	833	-31.6
Hebdomadal Deaths.	234	264	-11.4	410	-42.9
Neonatal Deaths...	273	322	-15.2	441	-38.1
Infant Deaths.....	417	452	-7.7	570	-26.8
Maternal Deaths...	3	6	*	2	*
Marriages.....	26,670	26,137	+2.0	23,879	+11.7
Divorces.....	12,139	13,484	-10.0	9,691	+25.3
Annulments.....	253	253	-	234	-8.1

Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SUMMARY OF VITAL EVENTS

Registration of Kansas vital events (live births, total deaths, fetal deaths, marriages, divorces and annulments) decreased slightly from 102,971 in 1981 to 101,855 in 1982, a decrease of 1.1 percent. Table 1 compares these vital events of 1982 with those of 1981 and 1972.

The largest percentage changes between 1981 and 1982 were a 15.2 percent decrease in the number of neonatal deaths and an 11.4 percent decrease in the number of hebdomadal deaths. Between 1972 and 1982, the number of out-of-wedlock births has increased 85.9 percent and the number of hebdomadal deaths has decreased 42.9 percent.

Another method of examining trends in vital events is the comparison of rates from year to year. Table 2 examines these rates (rate computations are described on pages 10 and 11) from 1972 to 1982 and the rates are graphically presented in Figure 2.

The total death rate in 1982 remained at 9.0 for the second consecutive year, while the live birth rate decreased by 1.7 percent, from 17.2 in 1981 to 16.9 in 1982. The marriage rate in 1982 was 11.1 per thousand population, the highest rate since the 1947 rate of 20.6. The divorce and annulment rate decreased 10.5 percent, from 5.7 in 1981 to 5.1 in 1982, and is the lowest rate since the 1974 rate of 5.0.

Infant, hebdomadal and neonatal death rates decreased considerably after 1972. The fetal death rate increased from 7.6 in 1981 to 8.2 in 1982.

The remainder of this report elaborates on each of these vital events, summarizing the data from 1982 vital and health records, depicting trends and comparing Kansas events with those for the United States where appropriate.

Table 2
Vital Events by Number, Rate and Ratio*
Kansas, 1972-1982

Vital Event	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982
Live Births											
Number	33,176	31,972	32,712	33,707	35,278	36,827	36,581	38,916	40,686	41,202	40,757
Rate	14.6	13.9	14.2	14.6	15.2	15.7	15.5	16.5	17.2	17.2	16.9
Out-of-Wedlock Births											
Number	2,829	2,742	2,867	3,205	3,491	3,873	4,183	4,593	4,979	5,086	5,259
Ratio	8.5	8.6	8.8	9.5	9.9	10.5	11.4	11.8	12.2	12.3	12.9
Fetal Deaths											
Number	375	355	379	341	364	308	331	330	340	316	336
Rate	11.2	11.0	11.5	10.0	10.2	8.3	9.0	8.4	8.3	7.6	8.2
Hebdomadal Deaths											
Number	410	342	354	304	310	335	254	260	226	264	234
Rate	12.4	10.7	10.8	9.0	8.8	9.1	6.9	6.7	5.6	6.4	5.7
Perinatal Period III Deaths											
Number	785	697	733	645	674	643	585	590	566	580	570
Rate	23.4	21.6	22.2	18.9	18.9	17.3	15.8	15.0	13.8	14.0	13.9
Neonatal Deaths											
Number	441	374	393	341	365	373	302	301	269	322	273
Rate	13.3	11.7	12.0	10.1	10.3	10.1	8.3	7.7	6.6	7.8	6.7
Infant Deaths											
Number	570	496	514	468	492	480	440	427	412	452	417
Rate	17.2	15.5	15.7	13.9	13.9	13.0	12.0	11.0	10.1	11.0	10.2
Maternal Deaths											
Number	2	5	6	6	1	4	8	3	4	6	3
Rate	0.6	1.6	1.8	1.8	0.3	1.1	2.2	0.8	1.0	1.5	0.7
Total Deaths											
Number	22,335	22,725	22,156	21,726	21,780	21,271	21,566	21,062	21,910	21,579	21,700
Rate	9.8	9.9	9.6	9.4	9.4	9.1	9.1	8.9	9.3	9.0	9.0
Marriages											
Number	23,879	24,592	24,491	23,767	23,559	23,673	23,975	24,774	24,847	26,137	26,670
Rate	10.5	10.7	10.7	10.3	10.1	10.1	10.2	10.5	10.5	10.9	11.1
Divorces and Annulments											
Number	9,925	10,472	11,484	12,561	12,833	12,629	12,668	12,749	13,410	13,737	12,392
Rate	4.5	4.6	5.0	5.4	5.5	5.4	5.4	5.4	5.7	5.7	5.1

*Rate and Ratio computations are explained on pages 10 and 11.
Residence data are presented for births and deaths.
Occurrence data are presented for marriages, divorces and annulments.

SELECTED VITAL EVENT RATES
KANSAS, 1972 - 1982

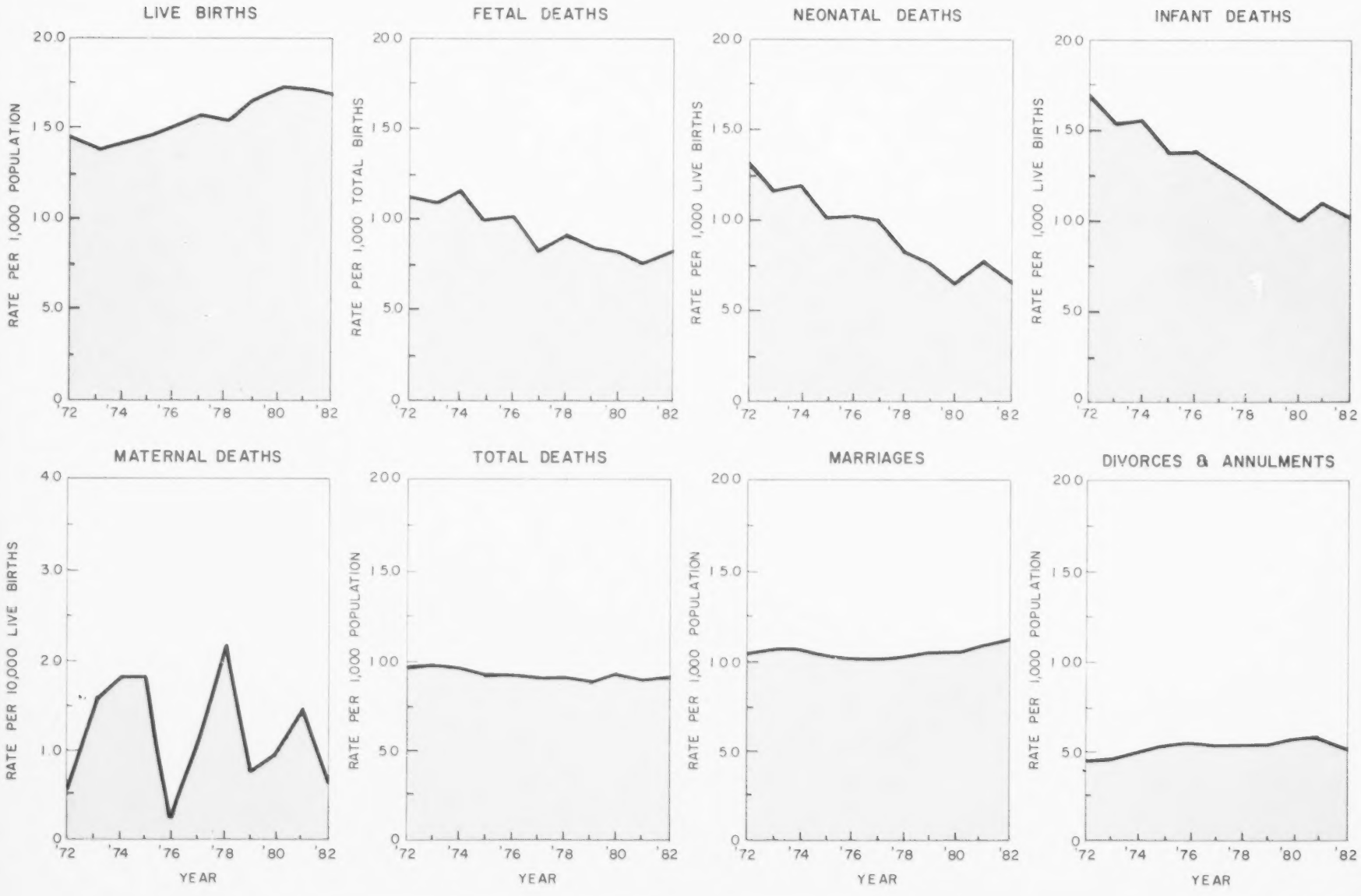
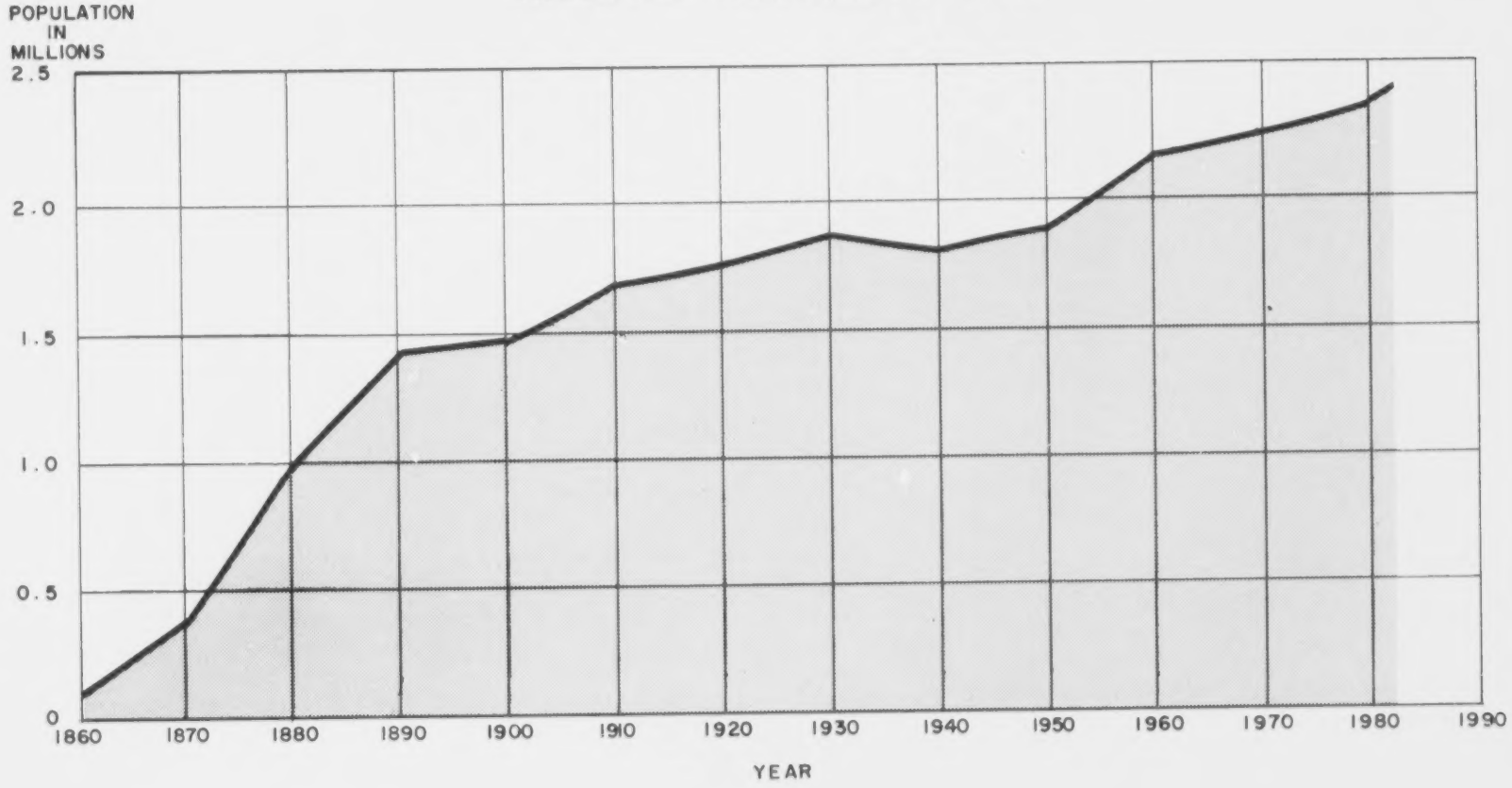


Figure 2

POPULATION

POPULATION GROWTH IN KANSAS
SELECTED YEARS, 1860-1982



Sources of Population Counts: Kansas Department of Health and Environment (1981, 1982)
United States Bureau of the Census (all other years)

Figure 3

POPULATION

In 1982 the population of Kansas was 2,408,781. This figure was estimated by the Kansas Department of Health and Environment and is an increase of 0.8 percent, or 19,579, over that estimated for July 1, 1981.

As depicted in Figure 3, Kansas experienced its greatest population growth during the second half of the nineteenth century. During the thirty-year period from 1860 to 1890 population increased thirteen-fold. The next thirty years demonstrated slower growth, increasing by less than two-fold from 1890 to 1920. The reduction in the birth rate and the increase in out-migration during the Depression Years of the 1930's resulted in a decrease in total population of almost four percent. Population began increasing again with the onset of World War II. The economic prosperity of the Fifties and the ensuing "Baby Boom" were reflected in a population increase of almost 12 percent from 1950 to 1960. Slowed growth was again exhibited during the Sixties when population increased 5.6 percent during that decade. Over the past twelve years the population has increased only 7.1 percent from a total of 2,249,071 in 1970 to the present total of 2,408,781 in 1982. Population estimates, as well as annual increases or decreases for the past thirty years are shown in Table 3. (County population totals, 1978 to 1982, are given in Appendix Table 23.)

Natural Increase and Net Migration

The combined factors of the natural increase (live births minus total deaths) and net migration (actual population increase or decrease minus the natural increase) determine population growth. The annual natural increase and net migration from 1953 to 1982 are exhibited in Table 3. The highest natural increase during the period was 34,319 in 1954, which represents a natural increase rate of 17.2 per thousand population. After a general downward trend in the years that followed, the natural increase again began rising in 1974 and the 1982 natural increase was 18,875. The natural increase rate decreased 4.9 percent from 8.2 per thousand population in 1981 to 7.8 in 1982. Net migration, on the other hand, has been less predictable, with sudden large fluctuations in out-migration. Considerable out-migration occurred from 1955 to 1964. The net migration for 1982 was not available at the time of publication.

Table 3
Population, Natural Increase and Net Migration
Kansas, 1953-1982

Year	Population*	Population Increase or Decrease During Year	Natural Increase	Net Migration
1982. . . .	2,408,781	n.a.	18,875	n.a.
1981. . . .	2,389,202	19,579	19,623	-44
1980. . . .	2,363,208	25,994	18,776	7,218
1979. . . .	2,362,075	1,133	17,854	-16,721
1978. . . .	2,359,262	2,813	15,015	-12,202
1977. . . .	2,341,261	18,001	15,556	2,445
1976. . . .	2,327,471	13,790	13,498	292
1975. . . .	2,314,479	12,992	11,981	1,011
1974. . . .	2,299,220	15,259	10,556	4,703
1973. . . .	2,301,623	- 2,403	9,247	-11,650
1972. . . .	2,277,905	23,718	10,841	12,877
1971. . . .	2,249,248	28,657	13,824	14,833
1970. . . .	2,249,071	177	16,364	-16,187
1969. . . .	2,287,302	-38,231	14,350	-52,581
1968. . . .	2,265,170	22,132	13,110	9,022
1967. . . .	2,236,750	28,420	13,196	15,224
1966. . . .	2,220,362	16,388	14,192	2,196
1965. . . .	2,197,815	22,547	17,516	5,031
1964. . . .	2,180,533	17,282	21,649	- 4,367
1963. . . .	2,172,296	8,237	23,804	-15,567
1962. . . .	2,165,009	7,287	27,001	-19,714
1961. . . .	2,146,154	18,855	28,940	-10,085
1960. . . .	2,130,579	15,575	29,621	-14,046
1959. . . .	2,115,441	15,138	31,891	-16,753
1958. . . .	2,100,665	14,776	31,401	-16,625
1957. . . .	2,081,654	19,011	32,706	-13,695
1956. . . .	2,077,711	3,943	33,408	-29,465
1955. . . .	2,050,478	27,233	33,878	-6,645
1954. . . .	1,999,457	51,021	34,319	16,702
1953. . . .	1,965,112	34,345	32,598	1,747

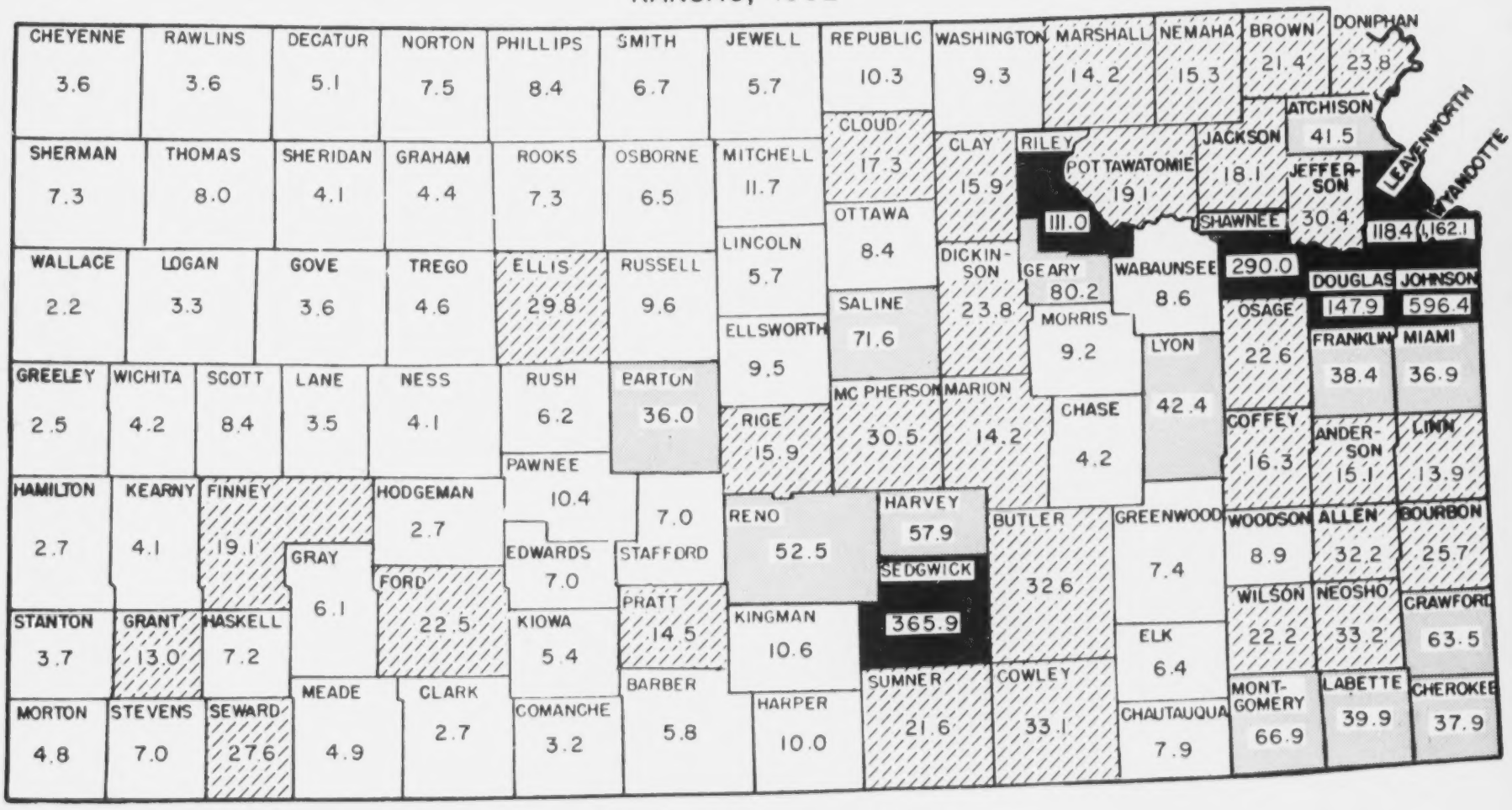
*Sources: Kansas Department of Health and Environment (1979, 1981, 1982)
United States Bureau of the Census (1970, 1980)
Kansas Board of Agriculture/County Appraisers (all other years)

Population Density

The total land area of the State of Kansas is 81,786 square miles. The population density of the State, or the average number of inhabitants per square mile in 1982, was 29.5 as compared with 29.2 in 1981 and 28.9 in 1980.

As illustrated in Figure 4, the population density varied considerably among counties. In 1982, 21 of Kansas' 105 counties had population densities of less than 5.0. These counties were predominantly in the Western portion of the State.

POPULATION DENSITY BY COUNTY
KANSAS, 1982



STATE POPULATION DENSITY: 29.5

Sources: Land area for each county obtained from the United States Bureau of the Census (1980). Population figures for 1982 were from the Kansas Department of Health and Environment.

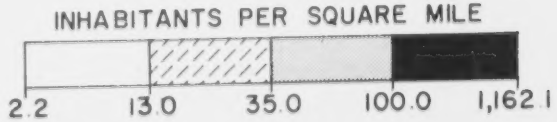
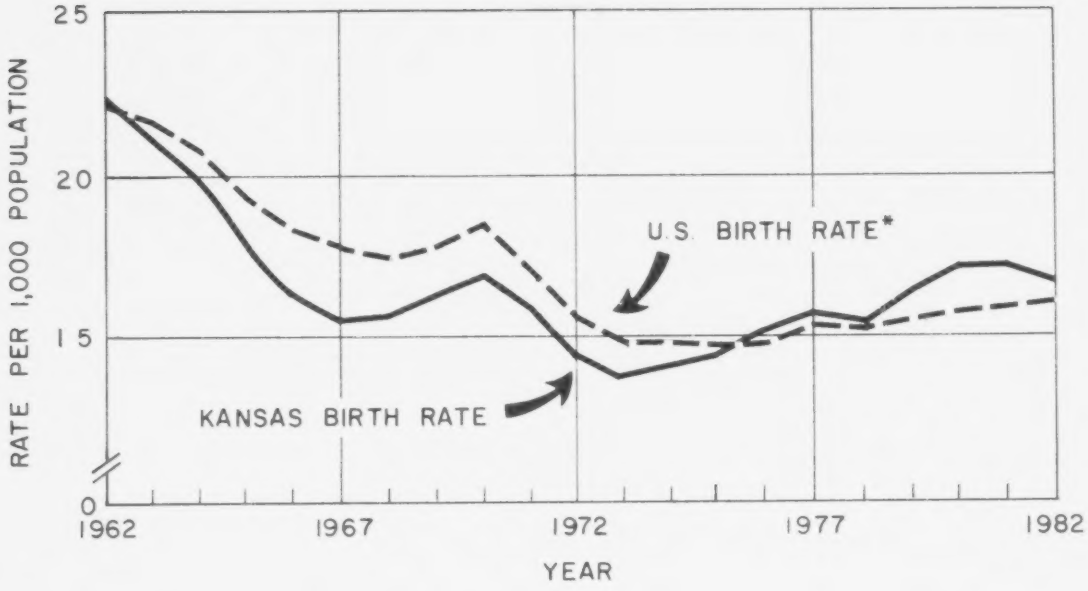


Figure 4

LIVE BIRTHS

BIRTH RATES
KANSAS AND THE UNITED STATES, 1962-1982



*1981 and 1982 United States birth rates represent provisional data from the National Center for Health Statistics.

Residence data.

Figure 5

LIVE BIRTHS

During 1982, 40,757 live births were recorded for mothers with Kansas residency, representing a birth rate of 16.9 per 1,000 population. These figures reflect both a numerical decrease of 1.1 percent below the 41,202 live births in 1981, and a rate decrease of 1.7 percent below the 1981 rate of 17.2.

Trends

Kansas birth rates and fertility rates have followed a pattern similar to national birth and fertility rates during the past twenty years. Illustrated in Figures 5 and 6 are comparisons of Kansas birth rates and fertility rates with those of the United States.

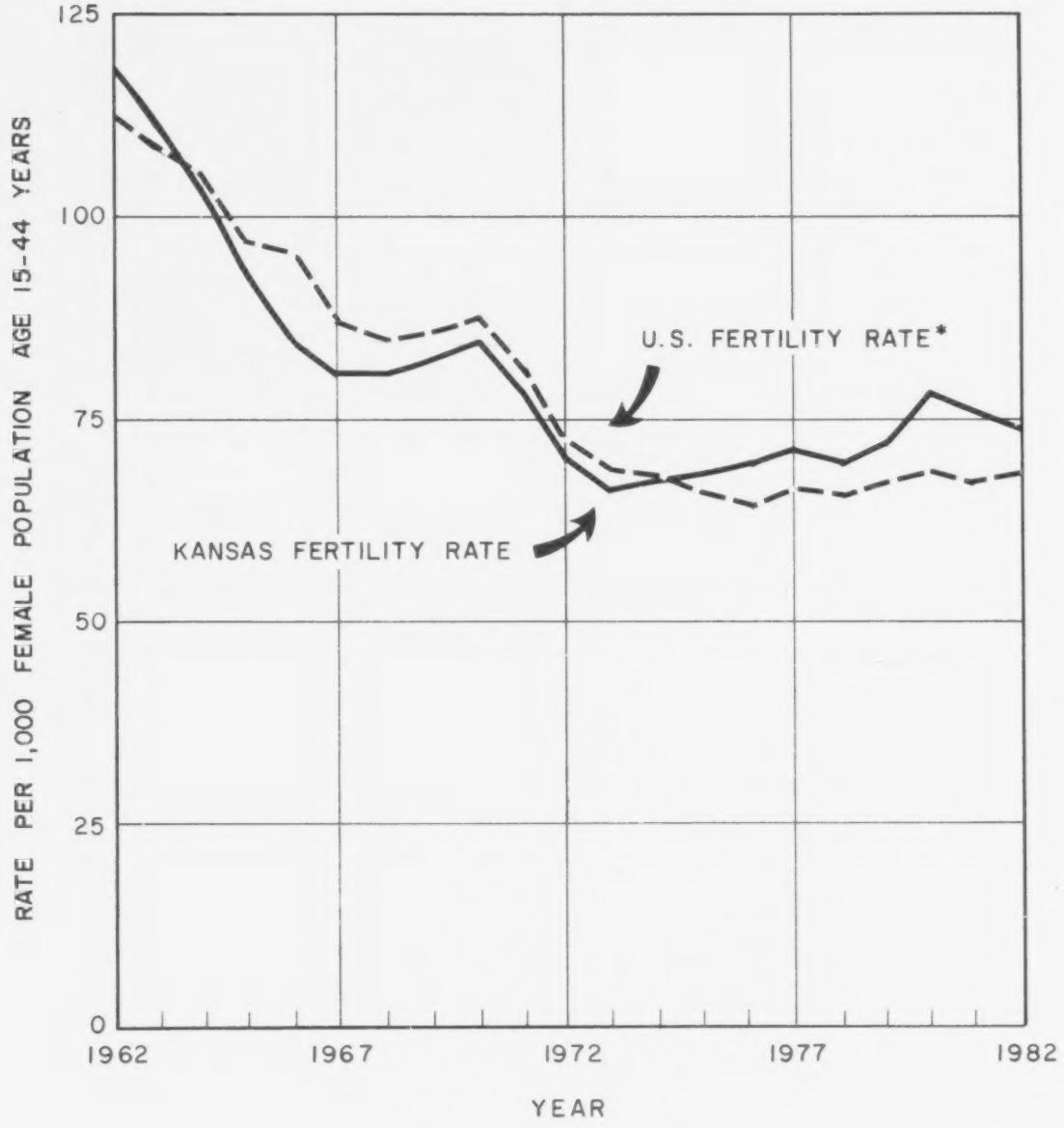
The Kansas birth rate was 22.5 in 1962, 0.4 percent above the national rate of 22.4. Following 1962, the Kansas birth rate dropped for five consecutive years. After reaching a low of 15.6 in 1967, the Kansas birth rate turned upward slightly in the late 1960's and 1970. After another short-term decline of three years, the Kansas birth rate reached a new low of 13.9 in 1973. In 1978, Kansas experienced a decreased birth rate for the first time in five years. The birth rate then increased to a rate of 17.2 for 1980 and 1981, followed by the 1982 decreased rate of 16.9. (The number of births and birth rates from 1978-1982 for each Kansas county are given in Appendix Table 24.)

The Kansas fertility rate was 118.5 in 1962, 5.6 percent above the national rate of 112.2. Following 1962, the fertility rate began to drop and did so for five consecutive years. After a short-term increase in 1969 and 1970, the fertility rate declined for three years. Kansas, in 1978, experienced a decreased fertility rate for the first time in five years, followed by an increase in 1979 and 1980. In 1982, the fertility rate in Kansas was 74.5, a 2.4 percent decrease from the 1981 rate of 76.3.

Sex of Infant, Race and Plurality

Since birth information was first recorded in Kansas in 1915, the percent distribution of live births has remained relatively constant for males and females. In 1915, the percentage breakdown for male and female live births was 51.6 percent and 48.4 percent, respectively. The distribution in 1982 was nearly identical, with 51.1 percent of the live births recorded as males and 48.9 percent as females.

FERTILITY RATES
KANSAS AND THE UNITED STATES, 1962-1982



*1981 and 1982 United States fertility rates represent provisional data from the National Center for Health Statistics.

Residence data.

Figure 6

Live Births: Distribution by Race of Mother by Sex of Infant

Race of Mother	Live Births	Sex of Infant	
		Male	Female
Total	40,757	20,817	19,940
White	36,650	18,726	17,924
Black	3,065	1,561	1,504
Other Races	1,037	526	511
N.S.	5	4	1

White mothers gave birth to 89.9 percent of the liveborn infants in Kansas in 1982. Another 7.5 percent of the mothers were black and other races represented 2.6 percent of the live births.

In 1982, a total of 804 live births, only 2.0 percent, represented multiple births, while a total of 39,953 single births were recorded. Of the 804 multiple births, 780 were twins, 20 were triplets, and 4 were quadruplets.

Birth Order

First births accounted for 40.3 percent of all live births in 1982. Second-born infants represented 34.1 percent and third births, 16.5 percent. Thirty years ago, in 1952, 29.0 percent of the 49,945 live births were first births; 29.8 percent were second-born infants and 20.6 percent were third births. The number and percent of live births by order of birth are presented below for 1982:

Live Births: Number and Percent by Birth Order

Birth Order	Number	Percent
Total	40,757	100.0
First	16,410	40.3
Second	13,900	34.1
Third	6,717	16.5
Fourth	2,383	5.8
Fifth	784	1.9
Sixth	305	0.7
Seventh	118	0.3
Eighth	62	0.2
Ninth	35	0.1
Tenth and Over	43	0.1

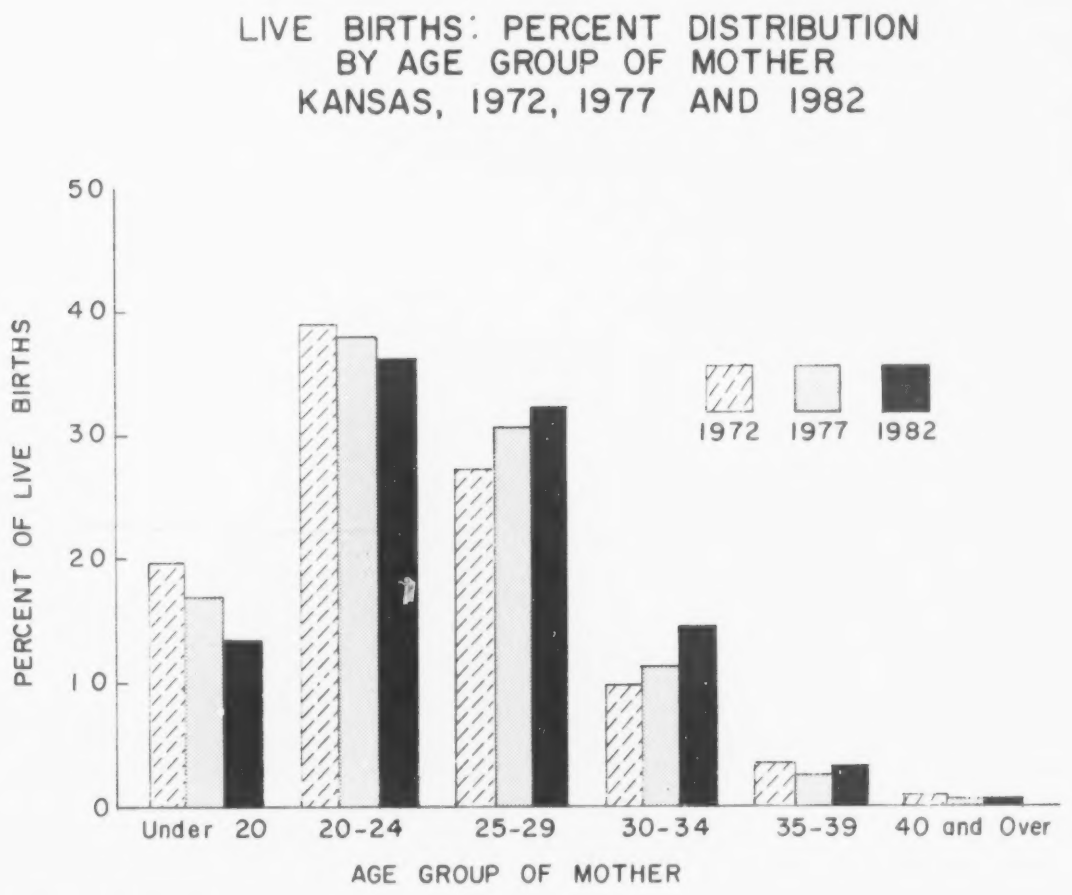
Institution of Birth and Attendant

The number of deliveries which are performed in hospitals has increased dramatically through the years. For example, in 1932, 23.7 percent of all live births occurred in a hospital. Fifty years later, in 1982, only 174 of the 40,757 live births occurred outside of the hospital setting, a mere 0.4 percent.

Another factor which may affect both maternal and infant health is whether or not the attendant is present at the time of birth. Unlike the institution of birth this factor has remained consistent for fifty years. In 1932, 99.5 percent of the births were physicians' deliveries. By 1982, the situation was virtually unchanged--99.0 percent of the births were attended by a physician.

Parental Age

The average maternal age in 1982 was 25.0 years, while the average paternal age was 27.7 years. Figure 7 shows the changing pattern in the distribution of births by maternal age for 1972, 1977 and 1982.



Residence data.

Figure 7

The ages from 20 to 24 were the most popular child-bearing ages in 1972, 1977 and 1982. During this same time frame, however, there was a gradual downward trend in the proportion of child-bearing women in the 20 to 24 year old age group, and a gradual increase in the proportion of child-bearing women between 25 and 34. (Live births by county of maternal residence and age group are shown in Appendix Table 25.)

Birth Weight and Premature Births

Birth weights are classified as low, normal or heavy according to the gram limits outlined in Table 4. Ninety-two percent of the live births in 1982 were of normal weight, between 2,500 and 4,500 grams. Babies weighing over 4,500 grams constituted only 1.8 percent of the live births.

Low birth weight babies of 2,499 grams or less is the weight category generally considered the most critical in regard to infant survival chances. This weight category comprises those deliveries herein referred to as premature births. The 2,532 premature births in 1982 accounted for 6.2 percent of all live births. The number of premature births for mothers in each age group, percent distribution and age-specific premature birth ratios (premature births as a percent of all live births within an age group) are shown in Table 4.

The age of the mother is an important factor influencing the birth weight of the baby. In 1982, mothers 20 to 24 years of age accounted for the largest percentage (37.0) of the premature births; followed by 27.7 percent accounted for by mothers 25-29 years of age. A somewhat more reliable indicator of the tendency for child-bearing women in a particular age group to have premature births is the age-specific premature birth ratio. The largest age-specific premature birth ratio, in 1982, was 8.3 percent of the births for mothers 15-19 years of age followed by 7.9 percent of the births for mothers 40-44 years of age.

Out-of-Wedlock Births

In 1982, the number of out-of-wedlock births to Kansas residents reached a record high of 5,259 reflecting a 3.4 percent increase over the 1981 total of 5,086. These out-of-wedlock births represented 12.9 percent of all live births in 1982.

Although the out-of-wedlock birth ratio in Kansas was below the national ratio from 1962 to 1979 (Figure 8), the increasing trend in the out-of-wedlock birth ratio in Kansas was similar to the upward trend throughout the United States during this period.

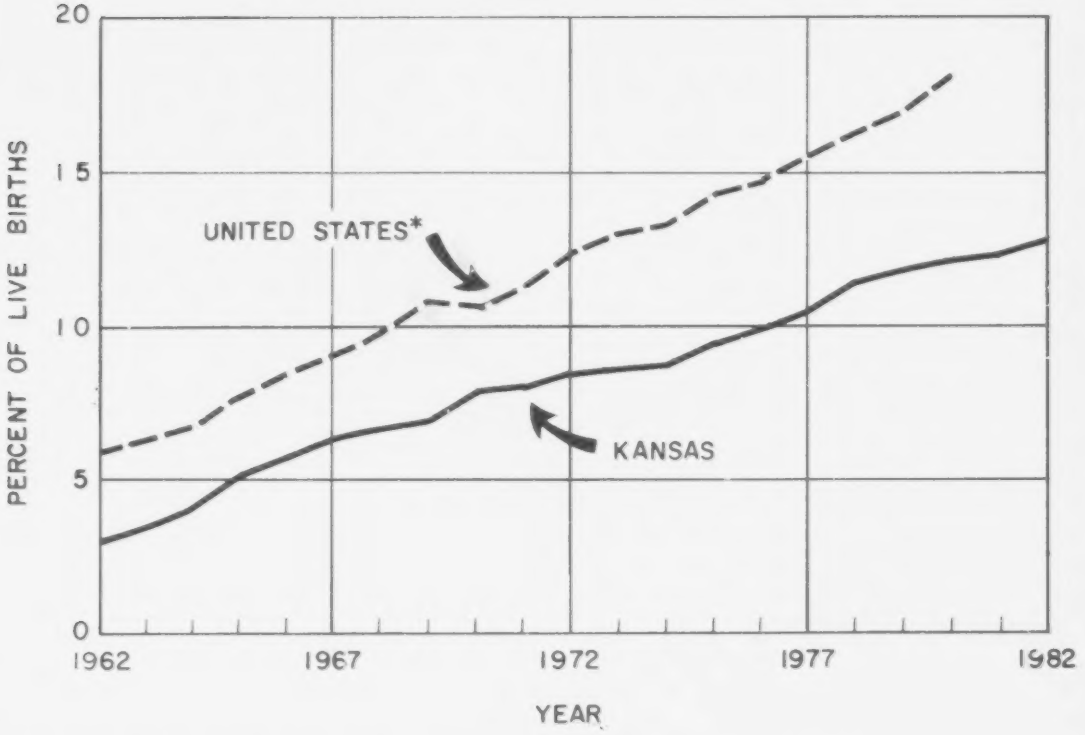
The number of out-of-wedlock births to mothers in each age group in 1982, percent distribution and age-specific out-of-wedlock birth ratios, or the out-of-wedlock births as a percent of all live births within an age group, are shown in Table 4. (Out-of-wedlock births by maternal county of residence by maternal age group are given in Appendix Table 26.)

Table 4
Live Births by Age Group of Mother, by Selected Characteristics
Kansas, 1982

Age Group of Mother	Total	Selected Characteristics of Live Births									
		Birth Weight (Grams)				Premature Births			Out-of-Wedlock Births		
		Under 2,500 (Low)	2,500 - 4,500 (Normal)	Over 4,500 (Heavy)	Not Stated	Number	Percent	Age-Specific Ratio	Number	Percent	Age-Specific Ratio
All Ages.....	40,757	2,532	37,478	735	12	2,532	100.0	...	5,259	100.0	...
10-14.....	52	6	46	-	-	6	0.3	*	47	0.9	*
15-19.....	5,399	449	4,905	43	2	449	17.7	8.3	2,099	39.9	38.9
20-24.....	14,730	937	13,566	222	5	937	37.0	6.4	2,064	39.2	14.0
25-29.....	13,131	702	12,152	273	4	702	27.7	5.3	710	13.5	5.4
30-34.....	5,890	333	5,405	152	-	333	13.2	5.7	240	4.6	4.1
35-39.....	1,311	84	1,187	39	1	84	3.3	6.4	74	1.4	5.6
40-44.....	228	18	204	6	-	18	0.7	7.9	24	0.5	10.5
45 and Over....	16	3	13	-	-	3	0.1	*	1	0.0	*

Residence data.

OUT-OF-WEDLOCK BIRTH RATIOS
KANSAS AND THE UNITED STATES, 1962-1982



*1981 and 1982 data from the National Center for Health Statistics were not available at the time of publication.

Residence data

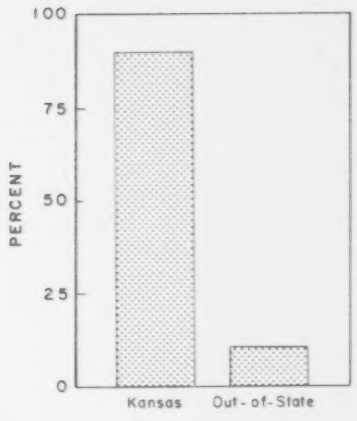
Figure 8

Of the total number of live births to mothers under 20, 39.4 percent were out-of-wedlock. Further, nearly half of the out-of-wedlock births (40.8 percent) were to mothers under 20.

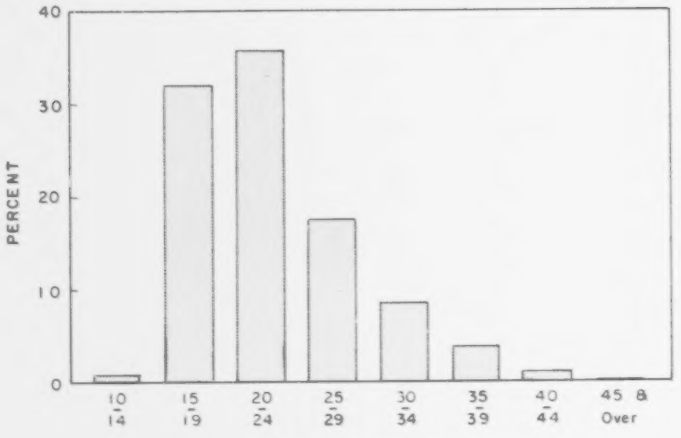
Age-specific out-of-wedlock birth ratios reveal that 38.9 percent of the births to mothers 15 to 19 years of age were out-of-wedlock in 1982. The ratio dropped to 14.0 percent witn the next age group, 20-24 years.

BIRTH-RELATED MORTALITY

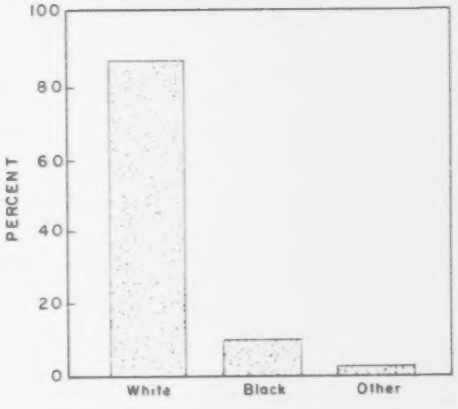
INDUCED ABORTIONS
BY SELECTED CHARACTERISTICS
KANSAS, 1982



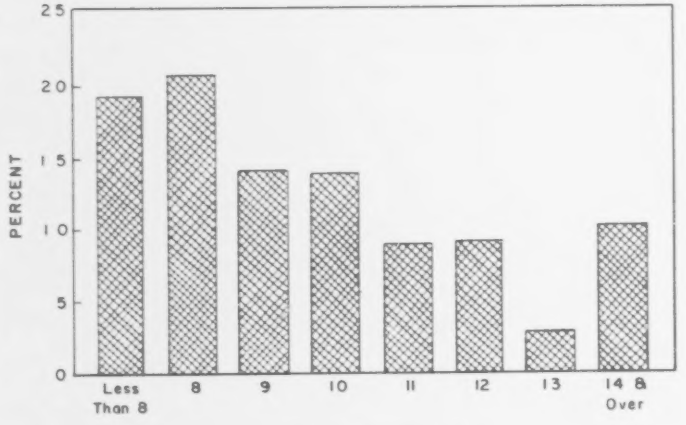
OCCURRENCE



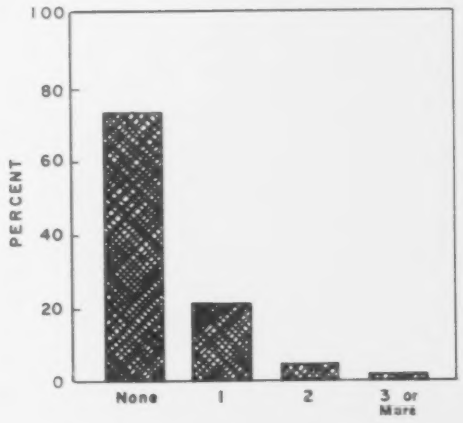
AGE GROUP OF PATIENT



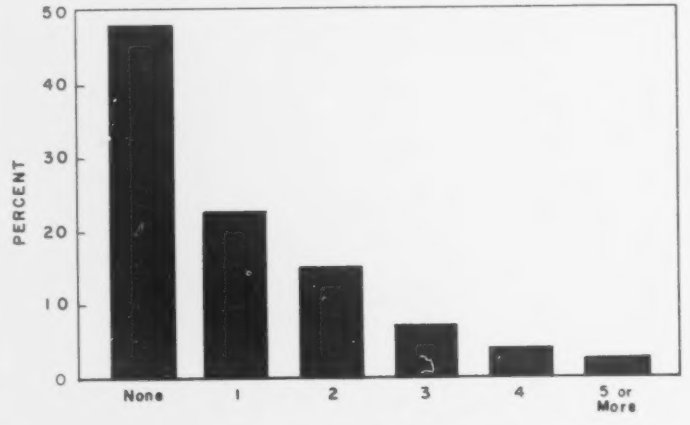
RACE OF PATIENT



WEEKS GESTATION



NUMBER OF PREVIOUS ABORTIONS



NUMBER OF PREVIOUS PREGNANCIES

Residence data

Figure 9

BIRTH-RELATED MORTALITY

This section examines mortality as it relates to pregnancy, childbirth, and infancy. For discussion purposes it is divided into five subdivisions: (1) induced abortions; (2) fetal deaths (stillbirths); (3) Perinatal Period III mortality; (4) infant deaths; and (5) maternal deaths.

INDUCED ABORTIONS

The Kansas liberalized abortion law was enacted in July, 1970, and from that time through 1982, 142,742 abortions were reported in Kansas. There were 11,107 abortions reported in Kansas in 1982.

The number of abortions reported in Kansas from 1971 to 1982 are shown below. The decline in the number of abortions reported in Kansas in 1974 and 1975 is attributable to the reduction in the number of out-of-state residents having abortions performed in Kansas since the 1973 United States Supreme Court ruling which legalized abortion in all states. The number of abortions reported in Kansas in 1982 represented an 8.5 percent decrease from the 1981 total of 12,137.

Number of Abortions Reported in Kansas by Year

Year	Number
1982.....	11,107
1981.....	12,137
1980.....	13,381
1979.....	13,901
1978.....	10,904
1977.....	10,898
1976.....	11,597
1975.....	10,860
1974.....	10,871
1973.....	12,612
1972.....	12,248
1971.....	9,472

Summary statistics are available only for those 9,343 abortions reported by hospitals and clinics participating in our abortion reporting system during 1982.

In 1982, 5,520 abortions or 59.1 percent of the 9,343 reported in the State, were performed for Kansas residents. Of the 3,823 nonresidents who had abortions in Kansas, 84.4 percent (3,225) were Missouri residents. Residents from other states included those from Illinois (246), Nebraska (100), Iowa (90), Oklahoma (79) and Texas (20). Sixty-three patients represented other states.

Kansas Residence Summary:

The following analysis refers to the 6,153 abortions reported for Kansas residents, regardless of where the abortion occurred.

Occurrence: In 1982, the Kansas Department of Health and Environment received statistics on 633 abortions performed in other states for Kansas residents. Of those 633 abortions, 522 (or 82.5 percent) occurred in Missouri, and 94 (or 14.8 percent) occurred in Oklahoma.

Age of Patient: Most reported abortions were performed in the 15-19 and 20-24 age groups as shown in Figure 9. Enumerated below are the number of abortions by age group of patient, percent distribution and age-specific abortion ratios (number of abortions reported per thousand live births for a given age group.) Induced abortions by county of residence and age group of patient in 1982 are given in Appendix Table 27.

Abortions: Distribution by Age Group of Patient and Age-Specific Ratios

Age Group	Number	Percent	Ratio**
Total	6,153	100.0	n/a
10-14.	45	0.7	*
15-19.	1,961	31.9	363.2
20-24.	2,200	35.8	149.4
25-29.	1,091	17.7	83.1
30-34.	519	8.5	88.1
35-39.	265	4.3	202.1
40-44.	62	1.0	271.9
45 and Over . .	8	0.1	*
N.S.	2	...	...

**Age-specific abortion ratios are expressed as the number of abortions per 1,000 live births for a given age group.

Race: Most of the abortion patients, 87.7 percent, in 1982 were white. Black patients represented 9.9 percent, and other races constituted 2.4 percent. Race was not stated in 47 cases.

Marital Status of Patient: Of the 6,153 abortion patients residing in Kansas in 1982, 4,758, or 77.6 percent, were not married; 1,371, or 22.4 percent were married and 24 patients did not report their marital status.

Number of Previous Abortions: In 1982, 4,489, or 73.3 percent, of the patients had no previous abortions. Twenty-one (21.1) percent, or 1,292, had one previous abortion, 4.3 percent (261) had two previous abortions, and 1.3 percent (79) had three or more previous abortions. In 32 cases the number of previous abortions was not stated.

Number of Previous Pregnancies: Forty-eight percent (or 2,946) of the patients reported no previous pregnancies, and 22.6 percent (1,384) reported one previous pregnancy. Fifteen percent (920) had two previous pregnancies, 14.4 percent (889) reported three or more previous pregnancies, and 14 patients did not report the number of previous pregnancies.

Method of Abortion: Ninety-five (95.4) percent (5,862) of the abortions were performed by suction curettage. Sharp curettage was utilized in 78 cases, and intra-uterine prosta-glandin instillation was performed in 61 cases. In 142 cases, other methods were used, and 10 cases did not report the method of abortion.

Weeks Gestation: Most abortions (89.6 percent) were performed within the first three months of pregnancy, or prior to the fourteenth week of gestation. Only 631, or 10.3 percent, were performed later than the thirteenth week after conception, with 48 not stated as to weeks gestation.

FETAL DEATHS (Stillbirths)

There were 336 fetal deaths recorded for Kansas residents in 1982, representing a 6.3 percent increase from the 1981 total of 316. The fetal death rate in 1982 was 8.2 per 1,000 total births, an increase of 7.9 percent from the 1981 rate of 7.6. The fetal death rate has declined by 28.1 percent from the decade high of 11.4 in 1974. (Table 28 in the Appendix shows the number of fetal deaths by county of residence in 1982.)

Cause of Death: In 1982, 16.1 percent of the fetal deaths were attributable to placental separation and hemorrhage (54). Other common causes of fetal deaths were: compression of umbilical cord (34), abnormalities of the placenta (30), premature rupture of membrane (25), and asphyxia or anoxia (17). (Intentionally aborted fetuses which weigh more than 350 grams are not included as fetal deaths in this report.)

Weight: Fetuses weighing between 351 and 2,000 grams (12.4 oz. to 4 lb. 6 oz.) constituted 58.7 percent of the fetal deaths in 1982. Seventy (69.9) percent of all fetal deaths weighed less 2,500 grams (5 lb. 8 oz.).

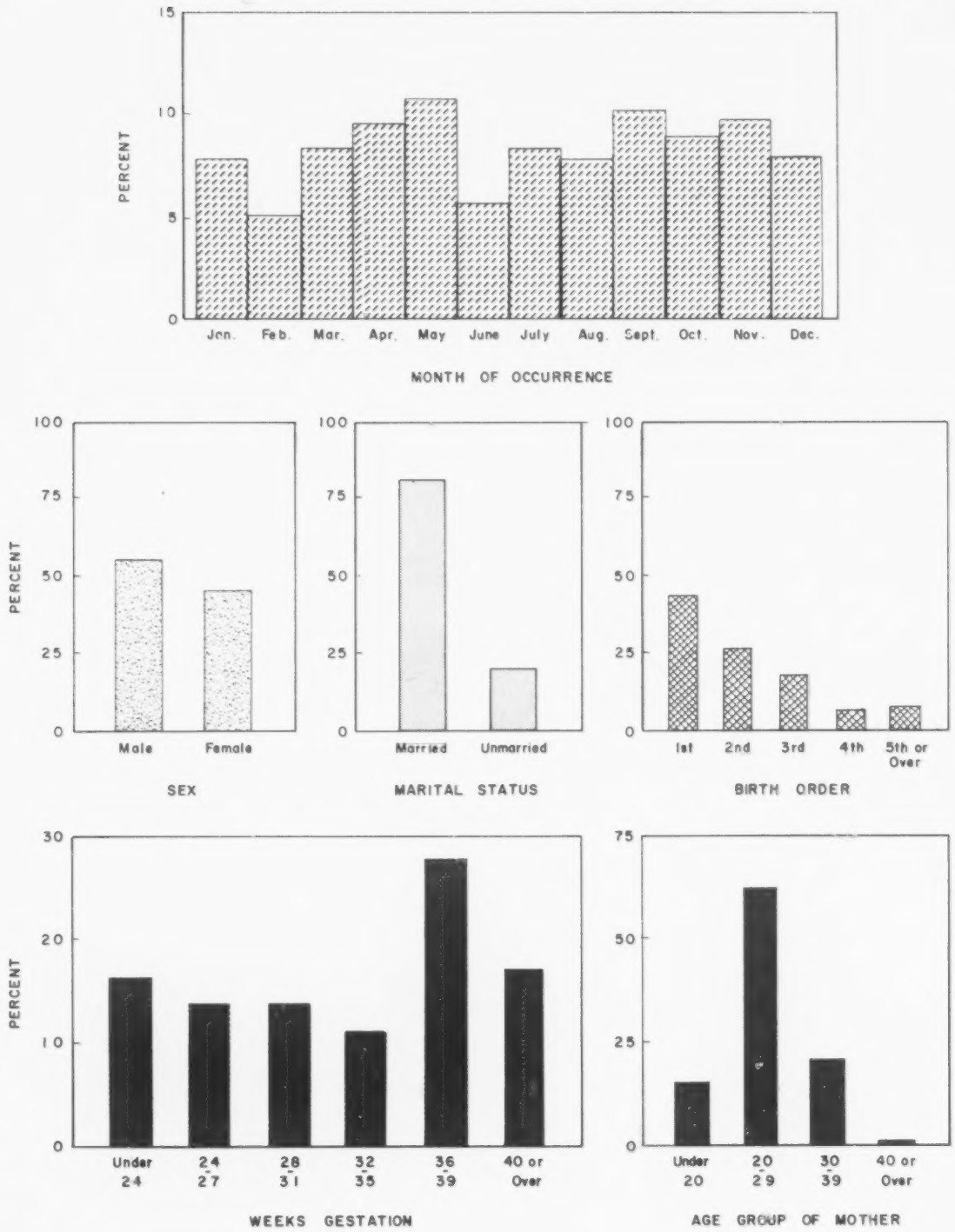
Race: While 89.9 percent of the mothers of infants born in 1982 were white, 82.0 percent of the fetal deaths involved women of this race, indicating a somewhat greater fetal death rate for nonwhite races.

Fetal Deaths: Distribution by Age Group of Mother and Age-Specific Ratios

Age Group	Number	Percent	Ratio**
Total	336	100.0	...
10-14	1	0.3	*
15-19	49	14.6	9.1
20-24	126	37.5	8.6
25-29	86	25.6	6.5
30-34	52	15.5	8.8
35-39	18	5.3	13.7
40-44	4	1.2	17.5

**Age-specific fetal death ratios are expressed as the number of fetal deaths per 1,000 live births for a given age group.

FETAL DEATHS BY SELECTED CHARACTERISTICS
KANSAS, 1982



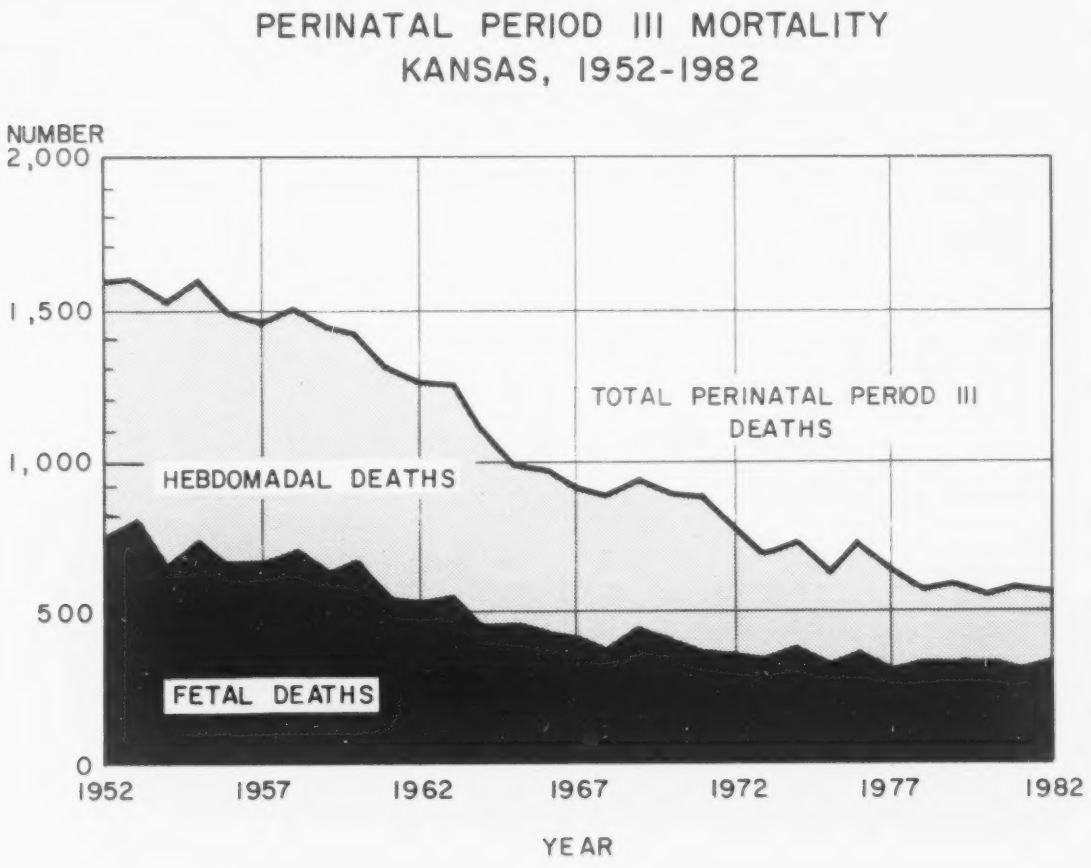
Residence data.

Figure 10

Other Characteristics: Selected characteristics of fetal deaths in 1982 are outlined in Figure 10. Viewing the month of occurrence, 10.7 percent of the fetal deaths occurred in May and 10.1 percent in September. No particular seasonal or monthly patterns were evident. As a comparison, 51.1 percent of the live births in 1982 were males while 54.8 percent of the fetal deaths for the year were male fetuses. Twenty (19.5) percent of all fetal deaths were from out-of-wedlock pregnancies. The largest percentage of fetal deaths (43.2 percent) occurred with first births, with the incidence declining with higher birth order. Forty-five (45.2) percent of the fetal deaths occurred after 35 weeks of gestation.

PERINATAL PERIOD III MORTALITY

Perinatal Period III mortality refers to the aggregated total of fetal deaths and hebdomadal deaths (deaths which occur prior to the 7th day of life).



Residence data.

Figure 11

Since 1955 there has been a general downward trend in the number of Perinatal Period III deaths. The number of deaths decreased from 1,604 in 1955 to 570 in 1982. A graphic representation of Perinatal Period III mortality which occurred between 1952 and 1982 is presented in Figure 11.

Table 5
Perinatal Period III Mortality
Kansas, Selected Years, 1952-1982

Year	Fetal Deaths*	Hebdomadal Deaths	Perinatal Period III Deaths	
			Number	Rate
1982.....	336	234	570	13.9
1981.....	316	264	580	14.0
1980.....	340	226	566	13.8
1979.....	330	260	590	15.0
1978.....	331	254	585	15.8
1977.....	308	335	643	17.3
1976.....	364	310	674	18.9
1975.....	341	304	645	18.9
1974.....	379	354	733	22.2
1973.....	355	342	697	21.6
1972.....	375	410	785	23.4
1971.....	380	506	886	24.3
1970.....	423	477	900	23.3
1969.....	456	480	936	24.9
1968.....	393	494	887	24.7
1964.....	467	653	1,120	25.6
1960.....	682	767	1,449	28.2
1956.....	673	832	1,505	28.0
1952.....	743	856	1,599	31.5

*Criteria for reporting fetal deaths changed from twenty weeks gestation to a fetal weight of more than 350 grams in 1963.

Residence data.

Examining the components which constitute Perinatal Period III mortality in Table 5, both the numbers of fetal deaths and hebdomadal deaths declined during the 1952 to 1982 period. Fetal deaths accounted for 54.8 percent fewer deaths in 1982 than they did in 1952, and hebdomadal deaths decreased by 72.7 percent. (Perinatal Period III deaths by county of residence are given in Appendix Table 28.)

INFANT DEATHS

An infant death is defined as a death of a liveborn infant who is under one year of age. Below are the major components, or stages of infancy, which constitute the first year of life, and deaths which occur during that time are hereafter classified in a like manner.

Hebdomadal deaths - occur prior to the seventh day of life.

Post-hebdomadal deaths - occur from 7 through 27 days after birth.

Neonatal deaths - occur prior to the twenty-eighth day of life.

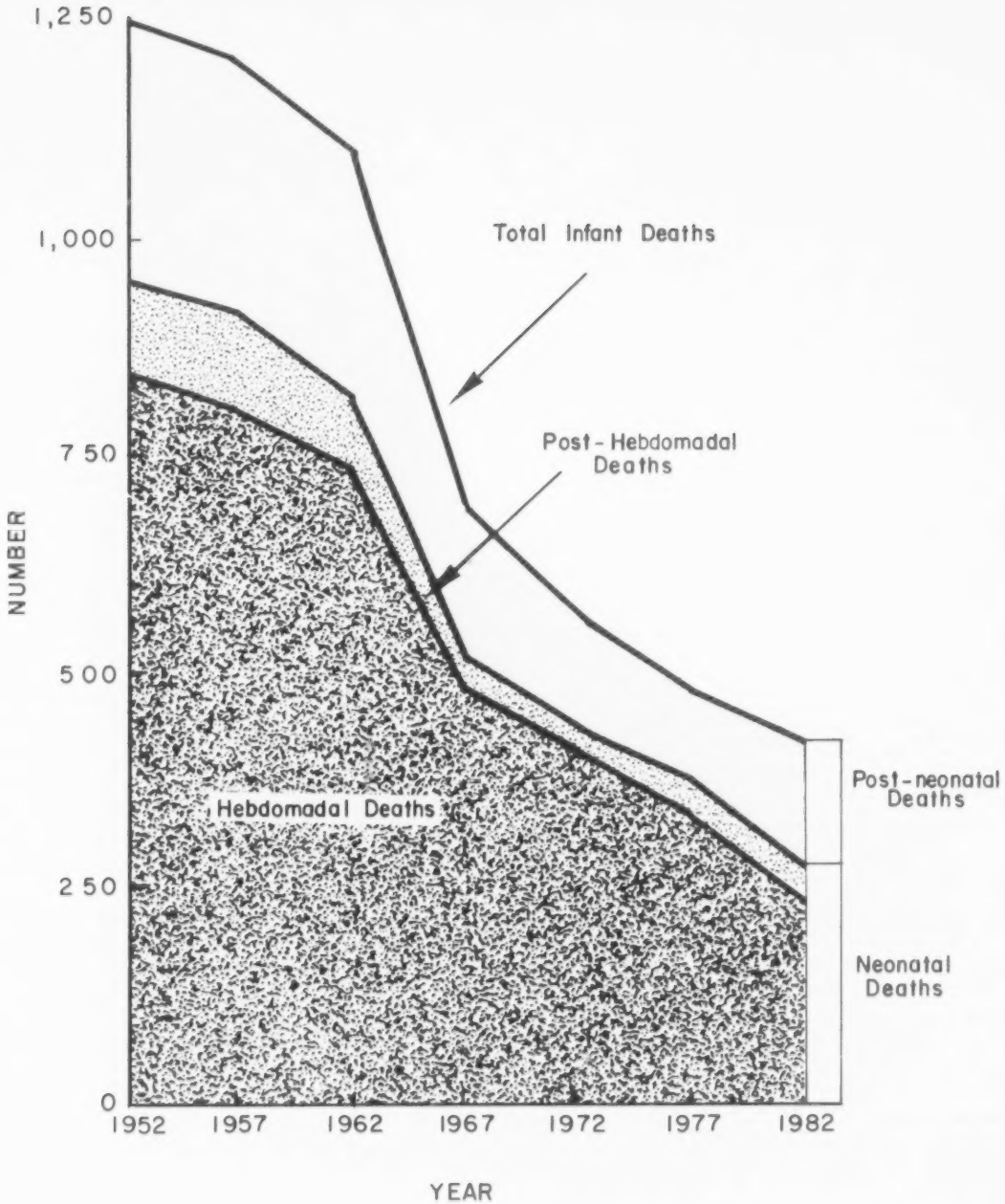
Post-neonatal deaths - occur after 27 days but prior to one year after birth.

These stages overlap in that neonatal deaths represent the total number of hebdomadal and post-hebdomadal deaths. Infant deaths are the sum of neonatal deaths and post-neonatal deaths.

In 1982, there were 417 infant deaths in Kansas. The number of infant deaths, as graphically presented in Figure 12, declined 66.6 percent from 1952 to 1982. Expressed as a rate per thousand live births, infant deaths dropped from 25.0 in 1952 to 10.2 in 1982. By comparison the estimated infant mortality rate for the United States was 11.2 in 1982. The component stages of infant deaths, neonatal deaths (including the hebdomadal and post-hebdomadal periods) and post-neonatal deaths, declined in Kansas in a somewhat parallel manner during the 1952-1982 time period, with the margin between the two narrowing slightly in later years. Neonatal deaths totaled 950 in 1952 compared to 273 in 1982, a 71.3 percent decline. Post-neonatal deaths concurrently dropped by 51.7 percent, from 298 in 1952 to 144 in 1982. (Table 29 in the Appendix shows the number of infant deaths by components and county of residence in 1982.)

Cause of Death: "Congenital anomalies" was the most common cause of infant death and accounted for 98 or 23.5 percent of all infant deaths. "Respiratory distress syndrome and other respiratory conditions" represented 52 or 12.5 percent of all infant deaths and was the second leading cause. All causes of infant death by age group are listed in Table 6.

INFANT DEATHS BY COMPONENT
KANSAS, SELECTED YEARS, 1952-1982



Residence data.

Figure 12

Table 6
Infant Deaths by Cause of Death and Age Group of Infant
Kansas, 1982

Cause of Death (ICD Code)	Age Group of Infant						
	Under 1 day	1-6 days	Under 7 days[a]	7-27 days	Under 28 days[b]	28-364 days	Under 1 year
All Causes	162	72	234	39	273	144	417
Infectious and Parasitic Diseases (001-139)	-	-	-	1	1	11	12
Other Diseases and Disorders (140-739)	1	1	2	2	4	37	41
Congenital Anomalies (740-759)	29	29	58	13	71	27	98
Certain Conditions Originating in the Perinatal Period (760-779)	132	41	173	17	190	12	202
*Maternal Conditions of Pregnancy and Childbirth (760-761, 763-764)	21	2	23	-	23	-	23
*Complications of Placenta, Cord and Membranes (762)	14	1	15	1	16	-	16
*Immaturity (765)	33	-	33	-	33	1	34
*Birth Trauma (767)	-	4	4	2	6	2	8
*Hypoxia and Birth Asphyxia (768)	22	4	26	1	27	-	27
*Respiratory Distress Syndrome and Other Respiratory Conditions (769-770)	23	16	39	8	47	5	52
*Infections Specific to Perinatal Period (771)	4	7	11	1	12	2	14
*Fetal and Neonatal Hemorrhage (772)	-	5	5	1	6	-	6
*Other (773-779)	15	2	17	3	20	2	22
Symptoms and Ill-defined Conditions (780-799)	-	1	1	5	6	45	51
*Sudden Infant Death Syndrome (798)	-	1	1	5	6	42	48
*Other (780-797, 799)	-	-	-	-	-	3	3
External Causes of Injury and Poisoning (E800-E999)	-	-	-	1	1	12	13

[a] Hebdomadal Deaths
[b] Neonatal Deaths

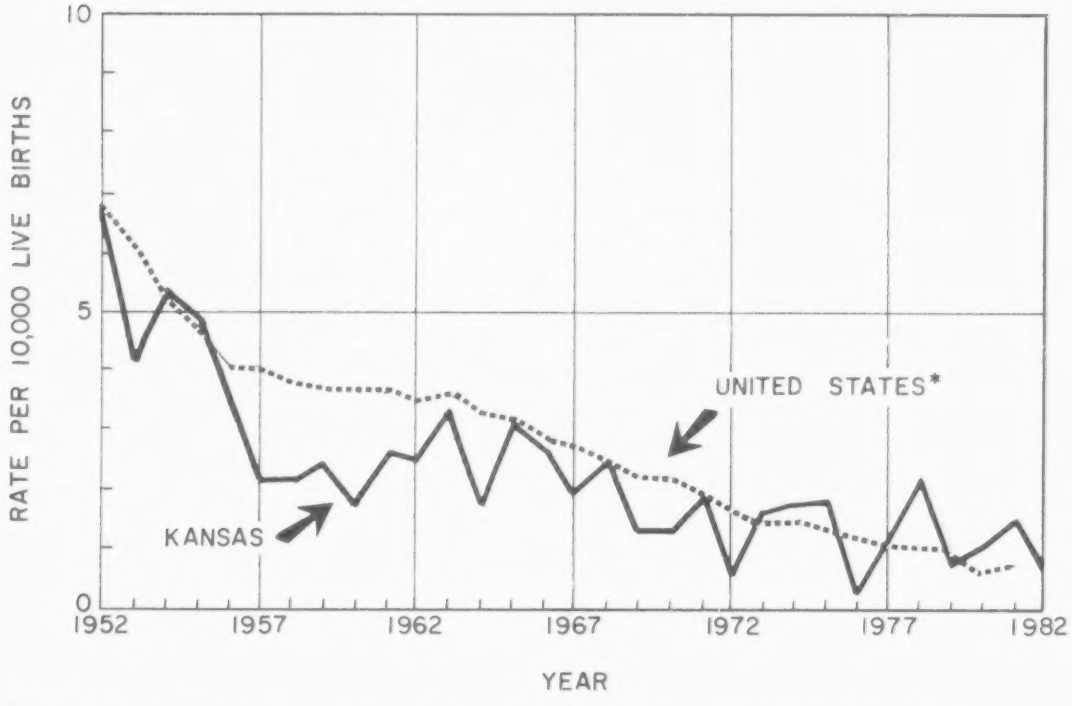
Residence data.

MATERNAL DEATHS

Maternal deaths are those attributable to complications of pregnancy, childbirth or the puerperium, based on the certified cause of death listed on the death certificate.

During 1982, 3 maternal deaths occurred to Kansas residents. Maternal mortality rates, expressed as the number of maternal deaths per ten thousand live births, for Kansas and the nation declined considerably between 1952 and 1982 as illustrated in Figure 13. While the U.S. rate showed a steady decline, the descent of Kansas' rate was somewhat more erratic. Overall, the rate of maternal deaths in Kansas was generally below that of the United States during that period. The maternal death rate for Kansas in 1982 was 0.7, a 89.7 percent decrease from the 1952 maternal death rate of 6.8.

MATERNAL MORTALITY RATES
KANSAS AND THE UNITED STATES, 1952-1982



*1980 and 1981 maternal mortality rates represent provisional data from the National Center for Health Statistics. 1982 maternal mortality rates were not available at the time of publication.

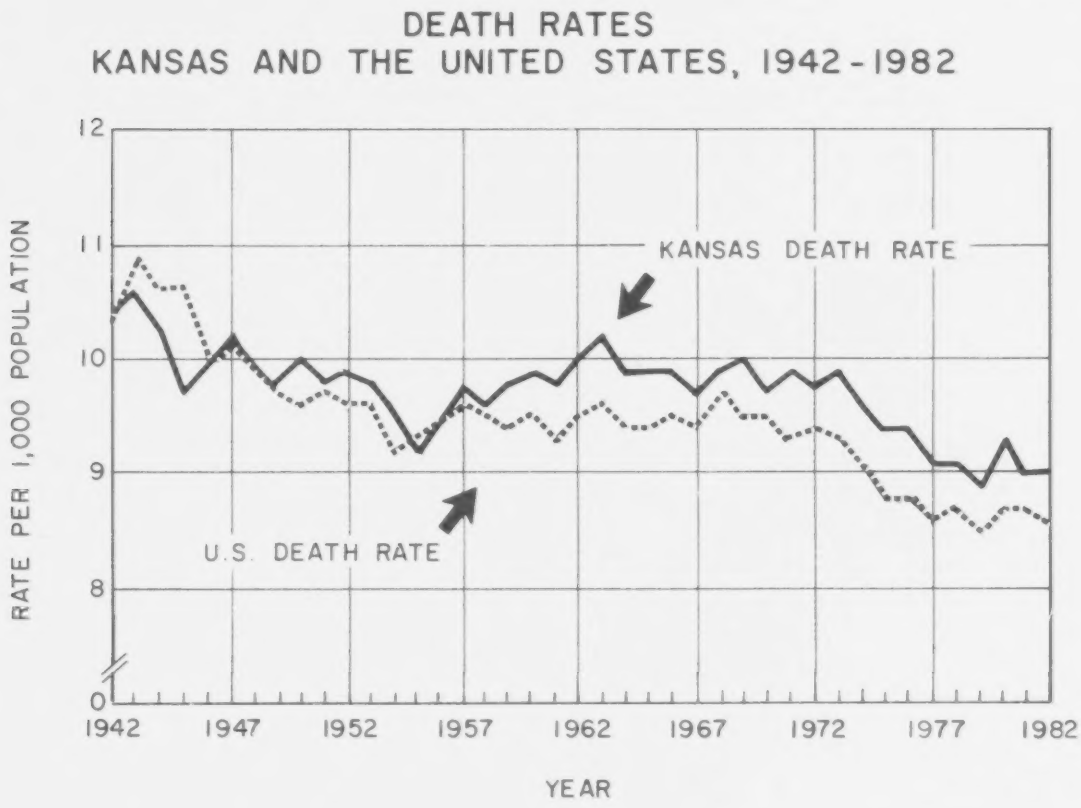
Residence data.

Figure 13

GENERAL MORTALITY

DEATHS

A total of 21,700 resident deaths were recorded during 1982, representing a 0.6 percent increase from the 21,579 deaths recorded in 1981. The Kansas death rate in 1982 remained unchanged from the previous year at 9.0 per thousand population. As illustrated in Figure 14, the Kansas death rate has remained relatively stable between the years 1942 and 1982, not rising above 10.6 (1943) nor falling below 8.9 (1979).



1980, 1981 and 1982 United States death rates represent provisional data from the National Center for Health Statistics.

Residence data.

Figure 14

The Kansas death rate in 1982 was 4.7 percent higher than the estimated national death rate of 8.6. During the 1962-1982 period the Kansas rate has been, on the average, 4.5 percent higher than the national rate. It should be noted however, that the age distribution of the population has a significant bearing on the level of the crude death rate, and the percentage of the population 65 years and older is higher in Kansas than for the nation as a whole. On this basis, plus the observed higher than average life expectancy of Kansas residents, it may be assumed that the death rate in Kansas compares favorably with the national rate.

DEATH RATES BY COUNTY OF RESIDENCE
KANSAS, 1982

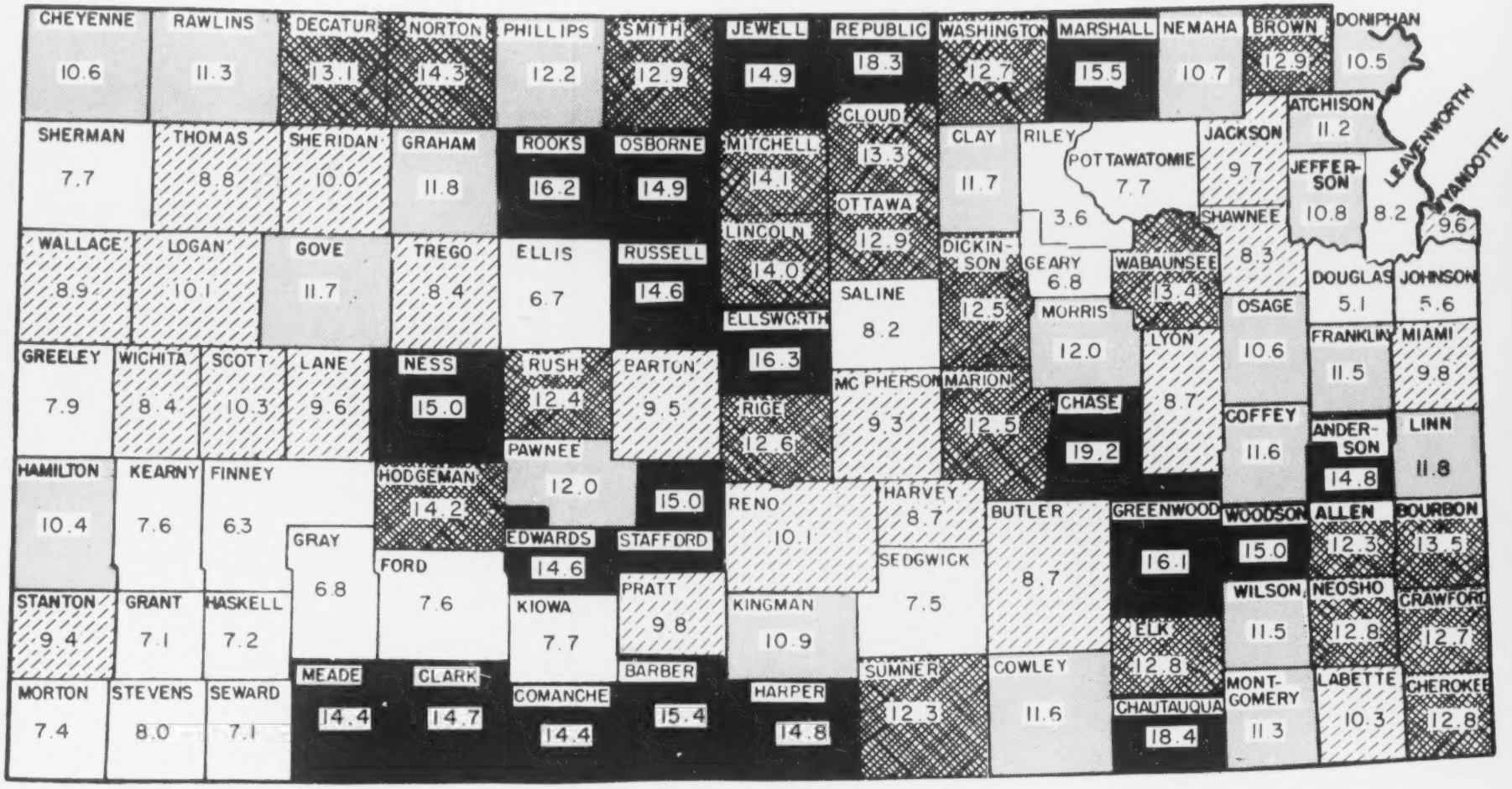
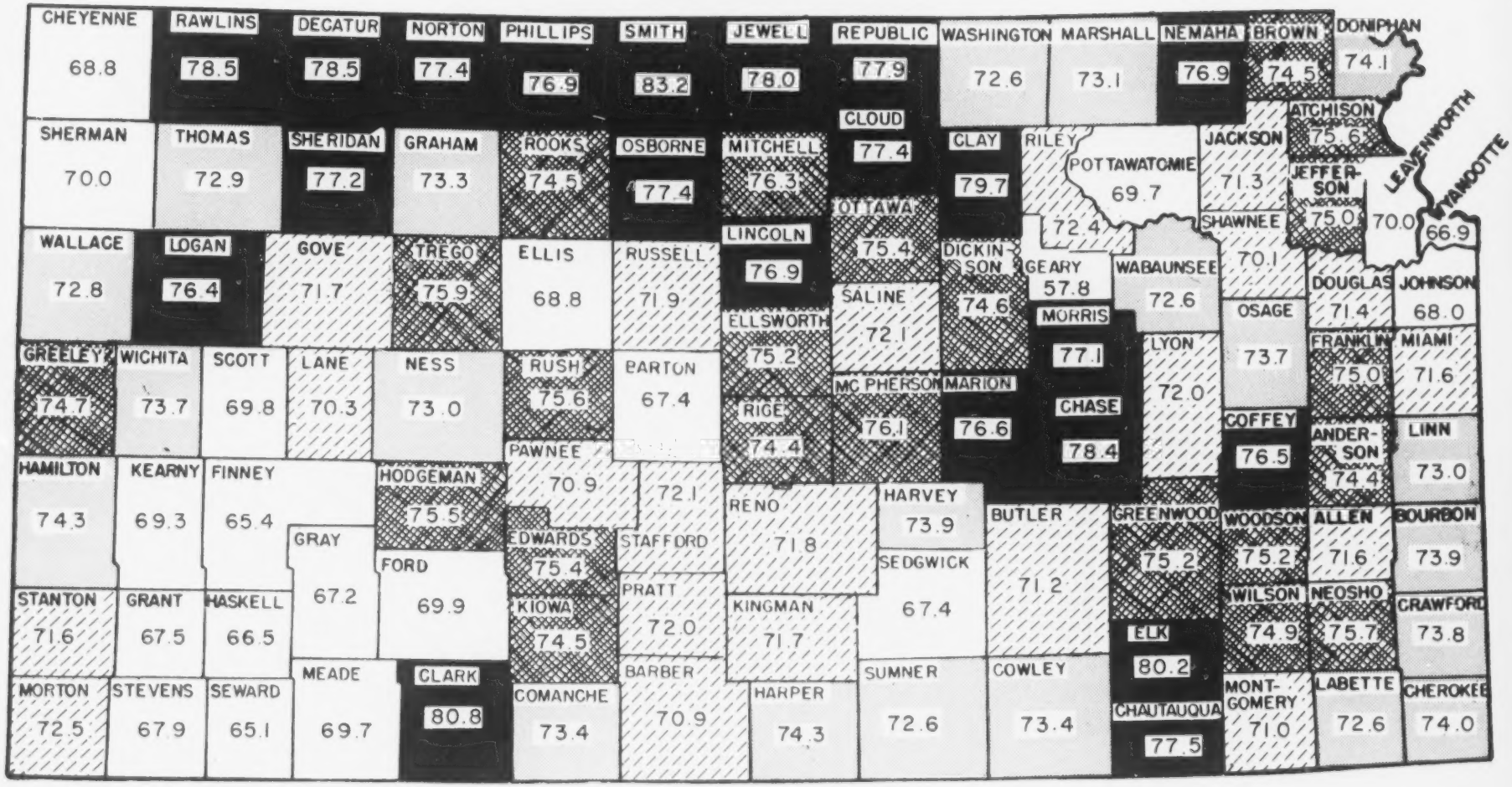


Figure 15

AVERAGE AGE AT DEATH
BY COUNTY OF RESIDENCE, KANSAS, 1982



STATE AVERAGE: 71.2

Figure 16

Death rates by county of residence for 1982 are shown in Figure 15. Riley County had a low rate of 3.6 per 1,000 population, while Chase County had a high of 19.2. The difference in age distribution of the county population, as well as chance fluctuations when relatively small numbers are involved, should be taken into account when making county level crude death rate comparisons. (The number of deaths and respective rates for 1978-1982 on a county of residence basis are given in Appendix Table 30.)

Age, Race and Sex of Decedent

The average age at death of Kansas residents in 1982 was 71.2 years. As illustrated in Figure 16, 35 counties had an average age at death of 75 years or more. (The number of deaths by age group and average age at death by county of residence are given in Appendix Table 31.)

Ninety-five percent of the Kansas decedents in 1982 were white, 4.6 percent were black and less than one percent were of other races. The average age at death for the white population was 71.8, approximately ten years older than that of the black population, whose average age at death was 61.9. Excepting the 1-4 age group and the two oldest age groups, male deaths exceeded female deaths by a considerable margin. The distribution of 1982 Kansas resident deaths by age group, race, sex and average age at death is presented in Table 7.

Leading Causes of Death

The Kansas Department of Health and Environment has been utilizing the Automated Classification of Medical Entities (ACME) System on death certificates since January of 1980. This software system, developed by the National Center for Health Statistics (NCHS), determines the underlying (or principal) cause of death using multiple cause of death coding in accordance with the Ninth Revision of the Manual of the International Statistical Classification of Diseases, Injuries, and Causes of Death (ICD-9) published by the World Health Organization. Thus, the coder no longer selects the underlying cause but assigns a code to all causes of death listed on the death certificate and then the underlying cause is determined through a computerized set of decision rules.

This discussion is not exhaustive of all causes of death of Kansas residents, rather it highlights the major causes in terms of magnitude of numbers of deaths from particular causes. Given in Table 8 are selected causes of death by age group of Kansas residents that died in 1982. (The number of deaths in Kansas from the twenty leading causes of death by county of residence are given in Appendix Table 32.)

The two leading causes of death in Kansas, heart disease and malignant neoplasms, had average ages at death of 76.4 and 69.5, respectively. Atherosclerosis, with an average age at death of 85.5 years, had the highest average age at death of any of the leading causes of death.

The fifth leading cause of death in Kansas, chronic obstructive pulmonary diseases and allied conditions (COPD), is included in the ranks of leading causes of death for the first time in 1982 due to a change brought about by the introduction of ICD-9.

Table 7
Deaths by Race and Sex, by Age Group and Average Age at Death
Kansas, 1982

Race and Sex	Total	Age Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Average Age at Death
Deaths-All Races....	21,700	417	110	75	388	425	500	1,038	2,569	4,626	6,210	5,342	71.2
Male.....	11,366	230	59	46	295	293	320	637	1,639	2,822	3,152	1,873	68.0
Female.....	10,334	187	51	29	93	132	180	401	930	1,804	3,058	3,469	74.4
White.....	20,619	350	90	68	357	383	441	954	2,406	4,404	5,971	5,195	71.8
Male.....	10,802	195	48	41	272	265	288	588	1,550	2,697	3,040	1,818	68.5
Female.....	9,817	155	42	27	85	118	153	366	856	1,707	2,931	3,377	75.3
Black.....	989	61	16	6	28	36	47	75	149	202	226	143	61.9
Male.....	514	32	9	5	21	22	26	46	81	113	106	53	59.2
Female.....	475	29	7	1	7	14	21	29	68	89	120	90	64.6
Indian.....	48	-	2	-	2	2	5	5	10	13	5	4	*
Male.....	29	-	2	-	1	2	4	3	6	7	2	2	*
Female.....	19	-	-	-	1	-	1	2	4	6	3	2	*
Other.....	38	6	2	1	1	4	7	3	3	5	6	-	*
Male.....	19	3	-	-	1	4	2	-	1	5	3	-	*
Female.....	19	3	2	1	-	-	5	3	2	-	3	-	*
Unknown.....	6	-	-	-	-	-	-	1	1	2	2	-	*
Male.....	2	-	-	-	-	-	-	-	1	-	1	-	*
Female.....	4	-	-	-	-	-	-	1	-	2	1	-	*

Residence data.

Table 8
Selected Causes of Death by Age Group
And Average Age at Death
Kansas, 1982

Selected Causes of Death (ICD Code)	Total	Age Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Average Age at Death
All Causes	21,700	417	110	75	388	425	500	1,038	2,569	4,626	6,210	5,342	71.2
Selected Causes	18,966	132	83	62	352	372	445	932	2,303	4,119	5,479	4,687	n/a
Tuberculosis (010-018)	5	-	-	-	-	-	-	-	1	2	1	1	70.8
Malignant Neoplasms (140-208)	4,416	2	7	5	25	50	121	325	873	1,297	1,166	545	69.5
Diabetes Mellitus (250)	406	-	-	1	1	4	15	25	66	94	127	73	71.8
Hypertension (401, 403)	77	-	-	-	-	1	-	1	5	15	29	26	79.1
Heart Disease (390-398, 402, 404-429)	8,259	9	4	4	6	35	103	335	854	1,812	2,677	2,420	76.4
Cerebrovascular Disease (430-438)	1,941	1	-	-	-	7	15	32	114	294	685	793	80.5
Atherosclerosis (440)	387	-	-	-	-	-	1	-	11	30	103	242	85.5
Pneumonia and Influenza (480-487)	598	6	4	-	3	4	4	13	28	73	177	286	80.4
Chronic Obstructive Pulmonary Diseases (490-496)	777	1	-	-	3	2	7	22	111	280	274	77	72.4
Ulcer of Stomach and Duodenum (531-533)	72	1	-	-	-	1	2	1	4	16	16	31	77.2
Chronic Liver Disease and Cirrhosis (571)	187	-	-	-	-	5	12	32	72	43	19	4	60.5
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)	251	1	-	-	1	-	3	6	30	41	80	89	77.8
Congenital Anomalies (740-759)	148	98	18	4	6	3	3	5	2	8	1	-	9.6
Accidents (E800-E949)	1,025	10	47	44	234	167	97	76	81	78	97	94	43.0
Suicide (E950-E959)	272	-	-	1	43	61	39	39	34	30	21	4	45.0
Homicide and Legal Intervention (E960-E969)	145	3	3	3	30	32	23	20	17	6	6	2	38.4

Residence data.

COPD takes into account changes in certification of death practices for respiratory diseases that had been observed during recent years. In the late 1960's it was noted that medical certifiers were entering with increasing frequency the generalized term "chronic obstructive lung disease" on certificates instead of the more specific diagnoses of "emphysema", "bronchitis", or "asthma". In order to recognize the continued impact of these respiratory diseases on overall mortality, NCHS established in 1969 a separate category to identify deaths assigned to chronic obstructive lung disease without mention of asthma, bronchitis, or emphysema. This category was later incorporated into ICD-9.

Beginning with the 1979 Advance Report of Final Mortality Statistics, published in September, 1982, NCHS lists COPD as the fifth leading cause of death in the United States. Included in this category are bronchitis not mentioned as acute or chronic, chronic bronchitis, emphysema, asthma, brochiestasis, extrinsic allergic alveolitis, and chronic airways obstruction not elsewhere classified.

There were 777 COPD deaths in 1982, with an average age at death of 72.4. In comparison, there were 635 deaths in 1979, 664 deaths in 1980, and 779 deaths in 1981 due to COPD.

Examining the ten leading causes of death for Kansas residents in 1982, Table 9 shows not only the number of deaths attributable to each cause but also the disease-specific death rates and average age at death for males and females. Table 10 provides comparisons of deaths for Kansas and the United States for selected leading causes by number and rate for 1982.

Table 9
Ten Leading Causes of Death by Sex
By Number, Rate and Average Age at Death
Kansas, 1982

Leading Causes of Death (ICD Code)	Number of Deaths			Disease-Specific Death Rate			Average Age at Death		
	Total	Male	Female	Total	Male	Female	Total	Male	Female
All Causes.....	21,700	11,366	10,334	900.9	964.9	839.6	71.2	68.0	74.7
Heart Disease (390-398, 402, 404-429).....	8,259	4,291	3,968	342.9	364.3	322.4	76.4	73.1	80.0
Malignant Neoplasms (140-208).....	4,416	2,403	2,013	183.3	204.0	163.5	69.5	69.4	69.6
Cerebrovascular Disease (430-438).....	1,941	752	1,189	80.6	63.8	96.6	80.5	77.8	82.2
Accidents (E800-E949).....	1,025	713	312	42.6	60.5	25.3	43.0	39.6	50.6
Chronic Obstructive Pulmonary Diseases (490-496).....	777	535	242	32.3	45.4	19.7	72.4	72.6	71.9
Pneumonia and Influenza (480-487).....	598	271	327	24.8	23.0	26.6	80.4	79.0	81.5
Diabetes Mellitus (250).....	406	157	249	16.9	13.3	20.2	71.8	70.4	72.7
Atherosclerosis (440).....	387	159	228	16.1	13.5	18.5	85.5	81.9	88.0
Suicide (E950-E959).....	272	213	59	11.3	18.1	4.8	45.0	44.5	46.5
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	251	121	130	10.4	10.3	10.6	77.8	76.0	79.5

Note: Rates are based on an estimated distribution of population of 48.9 percent male and 51.1 percent female. This distribution is based upon the "1980 Census of Population and Housing" by the United States Bureau of the Census.

Residence data.

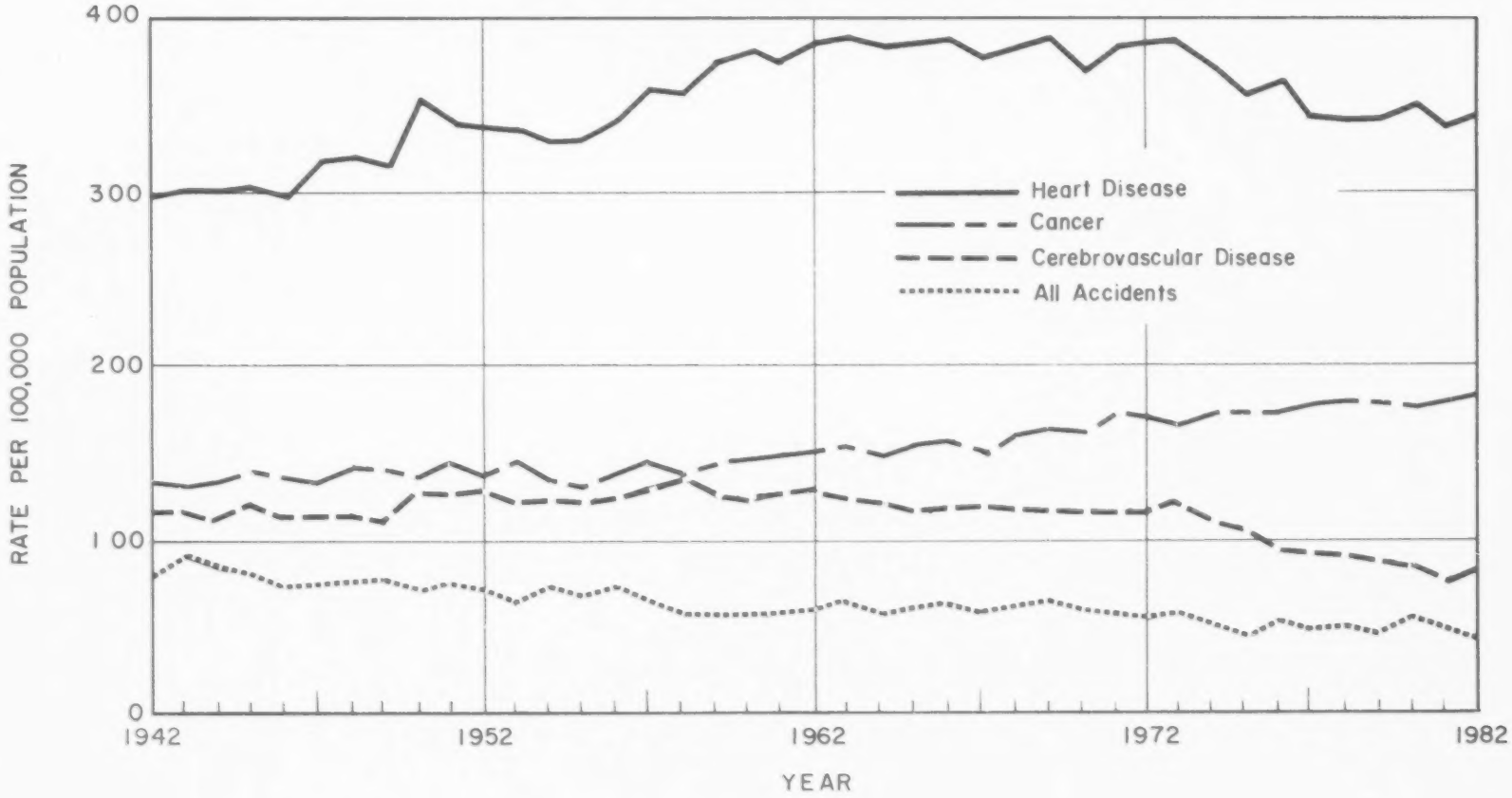
Table 10
Selected Leading Causes of Death by Number and Rate
Kansas and the United States, 1982

Cause of Death (ICD Code)	Kansas		United States* (Estimates)	
	Number	Rate	Number	Rate
All Causes.....	21,700	900.9	198,224	857.8
Heart Disease (390-398, 402, 404-429).....	8,259	342.9	75,551	326.9
Malignant Neoplasms (140-208).....	4,416	183.3	43,576	188.6
Cerebrovascular Disease (430-438).....	1,941	80.6	15,910	68.8
Accidents (E800-E949).....	1,025	42.6	9,432	40.8
Chronic Obstructive Pulmonary Diseases (490-496).....	777	32.3	5,982	25.9
Pneumonia and Influenza (480-487).....	598	24.8	4,904	21.2
Diabetes Mellitus (250).....	406	16.9	3,313	14.3
Atherosclerosis (440).....	387	16.1	2,646	11.5
Suicide (E950-E959).....	272	11.3	2,697	11.7
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	251	10.4	1,833	7.9
Aortic Aneurysm (441).....	205	8.5	n.a.	n.a.
Certain Conditions Originating in the Perinatal Period (760-779).....	203	8.4	2,111	9.1
Chronic Liver Disease and Cirrhosis (571).....	187	7.8	2,718	11.8
Congenital Anomalies (740-759).....	148	6.1	1,326	5.7
Homicide and Legal Intervention (E960-E978).....	145	6.0	2,226	9.6

*United States estimates are from the National Center for Health Statistics and are based on a 10 percent sample.

Residence data.

DEATH RATES FOR LEADING CAUSES OF DEATH
KANSAS, 1942-1982



Residence data.

Figure 17

Four Leading Causes: Depicted in Figure 17 are the year by year death rate trends of the four leading causes of death from 1942-1982. The rate of heart disease, the number one cause of death in Kansas, rose considerably from 1942 to 1960. After stabilizing somewhat for the next ten years, the heart disease death rate gradually declined to 340.7 in 1981. The 1982 Kansas rate of 342.9 was 4.9 percent higher than the estimated United States rate of 326.9. The heart disease rate among Kansas men was 364.3 per 100,000 population in 1982 compared to 322.4 among the female population. The male victims of fatal heart disease averaged more than six years younger than female victims.

Cancer was the second-leading cause of death in Kansas in 1982, rising from 135.1 deaths per 100,000 population in 1942 to 183.3 in 1982. The Kansas rate was 2.8 percent lower than the estimated United States rate of 188.6 per 100,000 population. The incidence of terminal cancer was higher for men than for women, as evidenced by the death rates of 204.0 for males and 163.5 for females.

Kansas death rates for cerebrovascular disease, the number three cause of death in 1982, remained between 107.3 and 137.0 from 1942 to 1975. However, the rate dropped to 95.7 in 1976 and 78.6 in 1981. The 1982 Kansas rate of 80.6 was 17.2 percent higher than the estimated United States rate of 68.8. Comparing the number of male and female victims in 1982, 61.3 percent were females, and the sex-specific rate was 96.6 for females and 63.8 for males.

Accidental deaths accounted for 4.7 percent of all deaths in Kansas in 1982, making it the fourth-leading cause during that year. The death rate from accidents declined from 78.0 in 1942 to a record low of 42.6 in 1982. The Kansas accidental death rate was 4.4 percent higher than the estimated United States rate of 40.8.

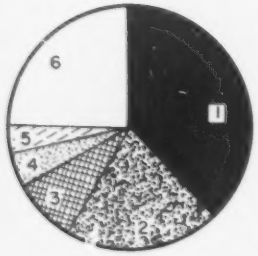
Leading Causes by Age Group: Variations in the most prevalent causes of death by selected age groups are presented in Figure 18. The leading causes of death for each age group are listed in order of magnitude. It is thus noted that in 1982, accidents were the most frequent cause of death for victims between 1 and 44 years of age. Heart disease was more commonly fatal to those persons over 44 years old. Cancer and cerebrovascular disease also claimed more victims of older age groups than of younger. Suicide and homicide had the greatest impact upon persons of the 15-24 and 25-44 categories. Pneumonia and influenza was one of the five leading causes of death of persons 1-4 and over 74 years of age. Chronic obstructive pulmonary diseases and allied conditions replaced pneumonia and influenza as the fifth leading cause of death, and was more prevalent as a cause of death for persons over 44 years of age.

Heart Disease: The number one cause of death in Kansas, heart disease, claimed 8,259 lives in 1982 and accounted for 38.1 percent of all deaths during the year.

The classifications which constitute heart disease, the number of deaths attributable to each and the respective sex and age group distributions are presented in Table 11.

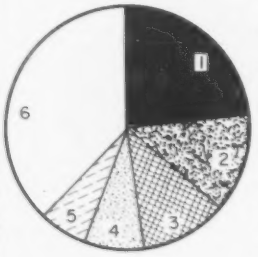
LEADING CAUSES OF DEATH BY AGE GROUP
KANSAS, 1982

ALL AGES



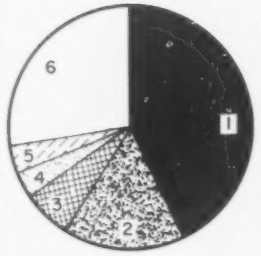
Cause of Death	Number of Deaths
1. Heart Disease	8,259
2. Cancer	4,416
3. Cerebrovascular Disease	1,941
4. Accidents	1,025
5. Chronic Obstructive Pulmonary Diseases	777
6. Other Causes	5,282
Total Deaths	21,700

UNDER 1 YEAR



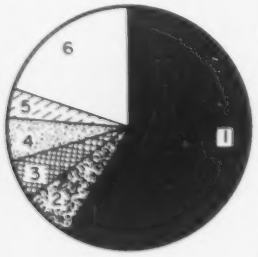
Cause of Death	Number of Deaths
1. Congenital Anomalies	98
2. Respiratory Distress Syndrome and Other Respiratory Conditions	52
3. Sudden Infant Death Syndrome	48
4. Immaturity	34
5. Hypoxia and Birth Asphyxia	27
6. Other Causes	158
Total Deaths	417

1-4 YEARS



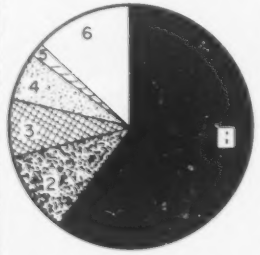
Cause of Death	Number of Deaths
1. Accidents	47
2. Congenital Anomalies	18
3. Cancer	7
4. Heart Disease	4
5. Pneumonia and Influenza	4
6. Other Causes	30
Total Deaths	110

5-14 YEARS



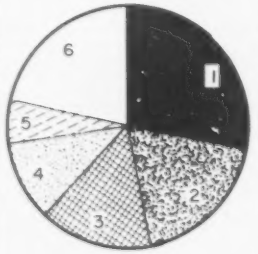
Cause of Death	Number of Deaths
1. Accidents	44
2. Cancer	5
3. Heart Disease	4
4. Congenital Anomalies	4
5. Homicide and Legal Intervention	3
6. Other Causes	15
Total Deaths	75

15-24 YEARS



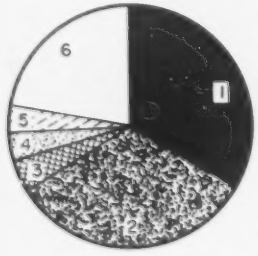
Cause of Death	Number of Deaths
1. Accidents	234
2. Suicide	43
3. Homicide and Legal Intervention	30
4. Cancer	25
5. Congenital Anomalies	6
6. Other Causes	50
Total Deaths	388

25-44 YEARS



Cause of Death	Number of Deaths
1. Accidents	264
2. Cancer	171
3. Heart Disease	138
4. Suicide	100
5. Homicide and Legal Intervention	55
6. Other Causes	197
Total Deaths	925

45-64 YEARS

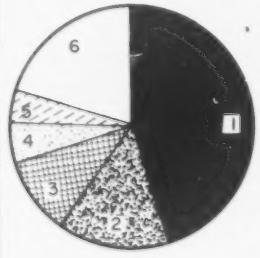


Cause of Death	Number of Deaths
1. Cancer	1,198
2. Heart Disease	1,189
3. Accidents	157
4. Cerebrovascular Disease	146
5. Chronic Obstructive Pulmonary Diseases	133
6. Other Causes	784
Total Deaths	3,607

65-84 YEARS

Cause of Death	Number of Deaths
1. Heart Disease	4,489
2. Cancer	2,463
3. Cerebrovascular Disease	979
4. Chronic Obstructive Pulmonary Diseases	554
5. Pneumonia and Influenza	250
6. Other Causes	2,101
Total Deaths	10,836

85 YEARS AND OLDER



Cause of Death	Number of Deaths
1. Heart Disease	2,420
2. Cerebrovascular Disease	793
3. Cancer	545
4. Pneumonia and Influenza	286
5. Atherosclerosis	242
6. Other Causes	1,056
Total Deaths	5,342

Residence data

Figure 18

Table 11
Heart Disease Deaths by Age Group and Sex
Kansas, 1982

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Diseases of the Heart (390-398, 402, 404-429)	8,259	9	4	4	6	35	103	335	854	1,812	2,677	2,420
Male	4,291	2	2	2	5	21	69	252	639	1,160	1,332	807
Female	3,968	7	2	2	1	14	34	83	215	652	1,345	1,613
Acute Rheumatic Fever and Chronic Rheumatic Heart Disease (390-398)	64	-	-	-	-	2	3	3	10	22	15	9
Male	18	-	-	-	-	1	-	-	5	9	2	1
Female	46	-	-	-	-	1	3	3	5	13	13	8
Hypertensive Heart Disease with or without Renal Disease (402, 404)	209	-	-	-	-	-	1	8	17	41	72	70
Male	76	-	-	-	-	-	-	7	7	19	23	20
Female	133	-	-	-	-	-	1	1	10	22	49	50
Ischemic Heart Disease (410-414)	6,175	1		-	-	12	73	260	677	1,404	2,041	1,707
Male	3,362	-	-	-	-	11	57	208	524	930	1,049	583
Female	2,813	1	-	-	-	1	16	52	153	474	992	1,124
Diseases of Pulmonary Circulation (415-417)	164	-	-	1	1	3	4	8	18	44	53	32
Male	79	-	-	1	-	-	-	7	13	27	16	15
Female	85	-	-	-	1	3	4	1	5	17	37	17
All Other Forms of Heart Disease (420-429)	1,647	8	4	3	5	18	22	56	132	301	496	602
Male	756	2	2	1	5	9	12	30	90	175	242	188
Female	891	6	2	2	-	9	10	26	42	126	254	414

Residence data.

The most prevalent type of heart disease was ischemic heart disease which claimed 74.8 percent of all heart disease victims. In general, ischemic heart disease refers to an obstruction of the flow of blood from the arteries to the heart and resultant reduction of blood supply to the heart. Two forms, acute myocardial infarction and other forms of chronic ischemic heart disease, accounted for nearly all ischemic heart disease deaths, 3,536 and 2,602, respectively. Ischemic heart disease was most commonly fatal to persons over 64 years of age, especially those between 75 and 84. Fifty-two percent of the total heart disease victims were males and 48.0 percent were females, but the sex distributions by age group showed wide variations. For the age groups between 35 and 74, 68.3 percent of the victims were males while for the age group 75 years and over, only 42.0 percent were males.

Cancer: The 4,416 deaths in 1982 which were caused by cancer, or malignant neoplasms, contributed 20.4 percent of the total number of deaths and represented the second most prevalent cause of death in the State. Almost thirty (29.4) percent of the victims were between 65 and 74 years of age and the sex distribution was 54.4 percent males and 45.6 percent females. As depicted in Table 12, malignant neoplasms of the digestive organs and peritoneum accounted for over one-fourth (1,204) of all cancer victims. Cancer of the respiratory and intrathoracic organs claimed 1,152 victims, 73.2 percent of which were men.

Cerebrovascular Disease: Cerebrovascular deaths claimed 1,941 lives in 1982, making cerebrovascular deaths the third leading cause of death for the year (Table 13). The average age at death of persons dying from cerebrovascular diseases was 80.5 years in 1982. One form, acute but ill-defined causes, accounted for fifty-five (55.9) percent of all cerebrovascular deaths. Other categories of the disease include occlusion of cerebral arteries and transient cerebral ischemia, which caused 341 deaths; and subarachnoid and intracerebral hemorrhage and other and unspecified intracranial hemorrhage which accounted for 262. Overall the sex distribution of the victims was 38.7 percent males and 61.3 percent females.

Selected Chronic Diseases: The seven chronic diseases listed in Table 14 represented 2,157, or 9.9 percent of all deaths during 1982. Most victims of fatal chronic diseases were in the older age group; 55.2 percent were persons 75 years or older.

Chronic obstructive pulmonary diseases and allied conditions, which (with the exception of asthma) are causally related to smoking, claimed 777 lives, and was the fifth leading cause of death in Kansas in 1982. Of the 406 deaths from diabetes mellitus, 61.3 percent were female. Atherosclerosis, another of the most prevalent chronic diseases, claimed 387 lives. Chronic liver disease and cirrhosis, a disease commonly linked with alcohol consumption, was more often fatal to men than to women. Over two-thirds (69.0 percent) of the 187 victims of chronic liver disease and cirrhosis were male and 31.0 percent were female.

Accidental Deaths: Deaths attributable to accidents in 1982 totaled 1,025, 4.7 percent of all deaths, making accidents the fourth-leading cause of death for the year. Types of accidents are outlined in Table 15 with the number of male and female victims and age groups.

Table 12
Malignant Neoplasm Deaths
By Site of Lesion, Age Group and Sex
Kansas, 1982

Site of Lesion and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Maligant Neoplasms (All Sites) (140-208)	4,416	2	7	5	25	50	121	325	873	1,297	1,166	545
Male	2,403	-	3	4	15	21	58	150	497	758	652	245
Female	2,013	2	4	1	10	29	63	175	376	539	514	300
Lip, Oral Cavity and Pharynx (140-149)	83	-	-	-	1	2	5	6	25	16	22	6
Male	55	-	-	-	1	1	2	6	17	12	14	2
Female	28	-	-	-	-	1	3	-	8	4	8	4
Digestive Organs and Peritoneum (150-159)	1,204	-	-	-	4	7	27	76	207	337	355	191
Male	621	-	-	-	1	4	20	45	124	191	173	63
Female	583	-	-	-	3	3	7	31	83	146	182	128
Respiratory and Intrathoracic Organs (160-165)	1,152	-	-	-	-	-	28	92	295	412	247	78
Male	843	-	-	-	-	-	15	56	217	312	188	55
Female	309	-	-	-	-	-	13	36	78	100	59	23
Breast (174-175)	373	-	-	-	-	9	19	53	82	102	68	40
Male	1	-	-	-	-	-	-	-	-	-	1	-
Female	372	-	-	-	-	9	19	53	82	102	67	40
Genital Organs (179-187)	516	-	-	-	2	8	10	25	72	129	179	91
Male	277	-	-	-	1	2	1	4	22	69	113	65
Female	239	-	-	-	1	6	9	21	50	60	66	26
Urinary Organs (188-189)	227	-	-	-	-	1	5	9	38	72	72	30
Male	157	-	-	-	-	1	2	4	27	49	52	22
Female	70	-	-	-	-	-	3	5	11	23	20	8
Other and Unspecified Sites (170-173, 190-199)	416	1	4	1	8	12	15	32	82	107	105	49
Male	222	-	1	1	6	9	9	22	48	58	49	19
Female	194	1	3	-	2	3	6	10	34	49	56	30
Leukemia (204-208)	182	1	2	3	6	5	7	16	31	38	45	28
Male	93	-	1	2	3	1	6	5	15	22	31	7
Female	89	1	1	1	3	4	1	11	16	16	14	21
Other Lymphatic and Hematopoietic Tissue (200-203)	263	-	1	1	4	6	5	16	41	84	73	32
Male	134	-	1	1	3	3	3	8	27	45	31	12
Female	129	-	-	-	1	3	2	8	14	39	42	20

Residence data.

Table 13
Cerebrovascular Disease Deaths by Age Group and Sex
Kansas, 1982

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Cerebrovascular Disease (430-438)	1,941	1	-	-	-	7	15	32	114	294	685	793
Male	752	1	-	-	-	3	10	15	64	145	279	235
Female	1,189	-	-	-	-	4	5	17	50	149	406	558
Subarachnoid and Intracerebral Hemorrhage and Other and Unspecified Intracranial Hemorrhage (430-432)	262	-	-	-	-	5	11	21	36	56	78	55
Male	109	-	-	-	-	2	9	10	19	26	27	16
Female	153	-	-	-	-	3	2	11	17	30	51	39
Occlusion and Stenosis of Precerebral Arteries (433)	17	-	-	-	-	-	-	-	5	4	5	3
Male	9	-	-	-	-	-	-	-	4	1	3	1
Female	8	-	-	-	-	-	-	-	1	3	2	2
Occlusion of Cerebral Arteries and Transient Cerebral Ischemia (434-435)	341	-	-	-	-	-	1	4	15	58	110	153
Male	131	-	-	-	-	-	-	1	9	32	44	45
Female	210	-	-	-	-	-	1	3	6	26	66	108
Acute but Ill-defined Cerebrovascular Disease (436)	1,085	1	-	-	-	-	2	6	54	151	409	462
Male	417	1	-	-	-	-	1	4	30	72	10	139
Female	668	-	-	-	-	-	1	2	24	79	239	323
Other and Ill-defined Cerebrovascular Disease (437)	195	-	-	-	-	2	1	1	3	18	64	106
Male	64	-	-	-	-	1	-	-	1	9	24	29
Female	131	-	-	-	-	1	1	1	2	9	40	77
Late Effects of Cerebrovascular Disease (438)	41	-	-	-	-	-	-	-	1	7	19	14
Male	22	-	-	-	-	-	-	-	1	5	11	5
Female	19	-	-	-	-	-	-	-	-	2	8	9

Residence data.

Table 14
Selected Chronic Disease Deaths by Age Group and Sex
Kansas, 1982

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Total	2,157	3	-	1	5	13	40	87	299	519	648	542
Male	1,172	2	-	-	4	8	21	50	179	332	379	197
Female	985	1	-	1	1	5	19	37	120	187	269	345
Diabetes Mellitus (250)	406	-	-	1	1	4	15	25	66	94	127	73
Male	157	-	-	-	1	2	6	10	30	40	46	22
Female	249	-	-	1	-	2	9	15	36	54	81	51
Hypertension without mention of Heart Disease (401, 403)	77	-	-	-	-	1	-	1	5	15	29	26
Male	34	-	-	-	-	1	-	1	3	8	10	11
Female	43	-	-	-	-	-	-	-	2	7	19	15
Atherosclerosis (440)	387	-	-	-	-	-	1	-	11	30	103	242
Male	159	-	-	-	-	-	1	-	8	18	61	71
Female	228	-	-	-	-	-	-	-	3	12	42	171
Chronic Obstructive Pulmonary Diseases and Allied Conditions (490-496)	777	1	-	-	3	2	7	22	111	280	274	77
Male	535	1	-	-	2	2	4	10	71	195	207	43
Female	242	-	-	-	1	-	3	12	40	85	67	34
Ulcer of Stomach and Duodenum (531-533)	72	1	-	-	-	1	2	1	4	16	16	31
Male	37	1	-	-	-	-	2	-	3	11	7	13
Female	35	-	-	-	-	1	-	1	1	5	9	18
Chronic Liver Disease and Cirrhosis (571)	187	-	-	-	-	5	12	32	72	43	19	4
Male	129	-	-	-	-	3	8	24	45	34	14	1
Female	58	-	-	-	-	2	4	8	27	9	5	3
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)	251	1	-	-	1	-	3	6	30	41	80	89
Male	121	-	-	-	1	-	-	5	19	26	34	36
Female	130	1	-	-	-	-	3	1	11	15	46	53

Residence data.

Table 15
Accidental Deaths by Age Group and Sex
Kansas, 1982

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
All Accidents (E800-E949)	1,025	10	47	44	234	167	97	76	81	78	97	94
Male	713	5	26	30	188	132	78	59	55	50	53	37
Female	312	5	21	14	46	35	19	17	26	28	44	57
All Motor-Vehicle Accidents (E810-E825)	531	3	18	24	179	112	44	38	34	27	36	16
Male	378	3	8	17	137	88	33	29	17	13	23	10
Female	153	-	10	7	42	24	11	9	17	14	13	6
Water Transport Accidents (E830-E838)	13	-	1	-	4	2	1	2	2	1	-	-
Male	12	-	-	-	4	2	1	2	2	1	-	-
Female	1	-	1	-	-	-	-	-	-	-	-	-
Air and Space Transport Accidents (E840-E845)	19	-	1	1	2	5	5	1	3	1	-	-
Male	14	-	-	-	1	3	5	1	3	1	-	-
Female	5	-	1	1	1	2	-	-	-	-	-	-
Accidental Poisonings (E850-E869)	34	-	-	-	6	7	8	3	4	3	1	2
Male	24	-	-	-	6	5	5	1	2	2	1	2
Female	10	-	-	-	-	2	3	2	2	1	-	-
Accidental Falls (E880-E888)	129	1	2	1	2	4	10	5	10	17	24	53
Male	68	-	2	-	2	4	10	4	8	11	9	18
Female	61	1	-	1	-	-	-	1	2	6	15	35
Accidents Caused by Fires and Flames (E890-E899)	40	-	9	3	6	4	4	2	3	5	2	2
Male	25	-	6	2	3	3	3	1	2	3	1	1
Female	15	-	3	1	3	1	1	1	1	2	1	1
Accidents Due to Natural and Environmental Factors (E900-E909)	25	-	-	-	-	2	6	5	1	4	4	3
Male	15	-	-	-	-	1	3	5	-	2	2	2
Female	10	-	-	-	-	1	3	-	1	2	2	1
Accidental Drowning and Submersion (E910)	39	-	6	8	5	7	4	2	4	2	1	-
Male	30	-	3	6	5	6	4	2	3	1	-	-
Female	9	-	3	2	-	1	-	-	1	1	1	-
Inhalation and Ingestion of Food Causing Obstruction or Suffocation (E911)	26	1	4	-	1	-	1	2	2	3	4	8
Male	12	-	3	-	1	-	1	1	2	2	-	2
Female	14	1	1	-	-	-	-	1	-	1	4	6

Table 15 (cont.)
Accidental Deaths by Age Group and Sex
Kansas, 1982

Cause of Death and Sex (ICD Code)	Total	Age Group										
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over
Accidents Caused by Machinery (E919).....	18	-	-	-	1	6	1	2	3	2	3	-
Male.....	18	-	-	-	1	6	1	2	3	2	3	-
Female.....	-	-	-	-	-	-	-	-	-	-	-	-
Accident Caused by Electric Current (E925).....	19	1	-	-	9	6	3	-	-	-	-	-
Male.....	19	1	-	-	9	6	3	-	-	-	-	-
Female.....	-	-	-	-	-	-	-	-	-	-	-	-
Other Accidents (E800-E807, E826-E829, E846-E848, E870-E879, E912-E918, E920-E924, E926-E949).....	132	4	6	7	19	12	10	14	15	13	22	10
Male.....	98	1	4	5	19	8	9	11	13	12	14	2
Female.....	34	3	2	2	-	4	1	3	2	1	8	8

Residence data.

Comparing the number of male and female accident victims in 1982, over two-thirds, 69.6 percent, were males and they outnumbered females in all age groups except those 85 years of age and older. The average age at death for accident victims was 43.0 years. Furthermore, the average age of men dying from accidental causes was 39.6, over eleven years younger than that of female victims, whose average age was 50.6 years.

Motor-vehicle accidents, the most prevalent type of fatal accident, accounted for over half (51.8 percent) of the total in 1982. The 1982 motor-vehicle accident death rate of 22.0 per 100,000 population was the lowest rate since the 1945 rate of 18.3. Of the 531 motor-vehicle fatalities, 25.8 percent were to males in the 15-24 year age group.

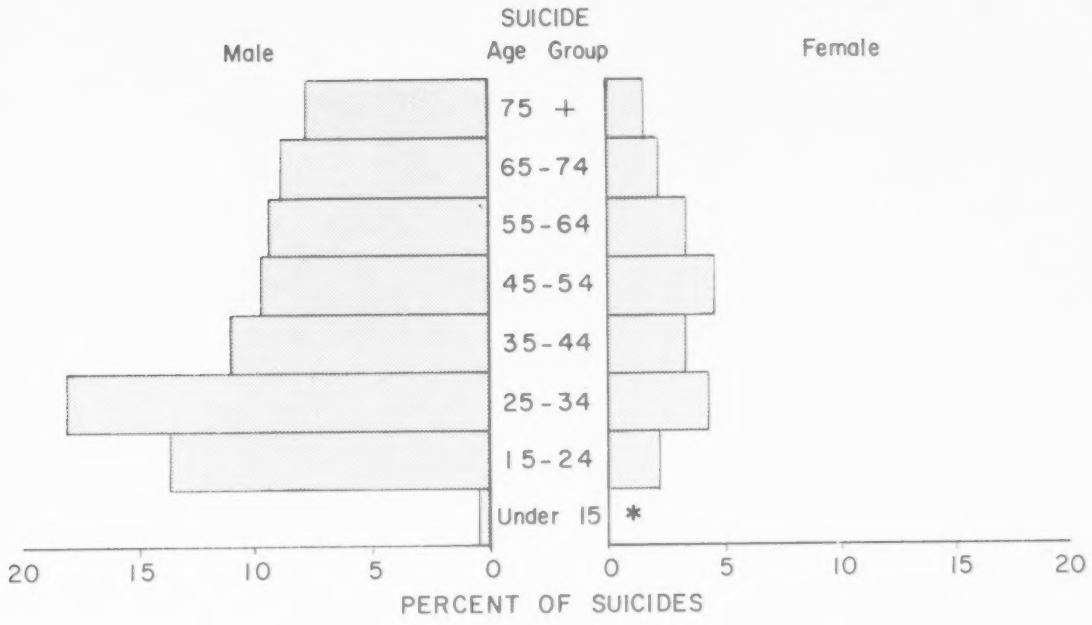
Accidental falls claimed 129 lives, which represented 12.6 percent of all accidental deaths in 1982. Nearly two-thirds (59.7 percent) of the victims were 75 years of age or older. Of the persons 75 years of age or older who died as a result of an accident 40.3 percent were fall victims.

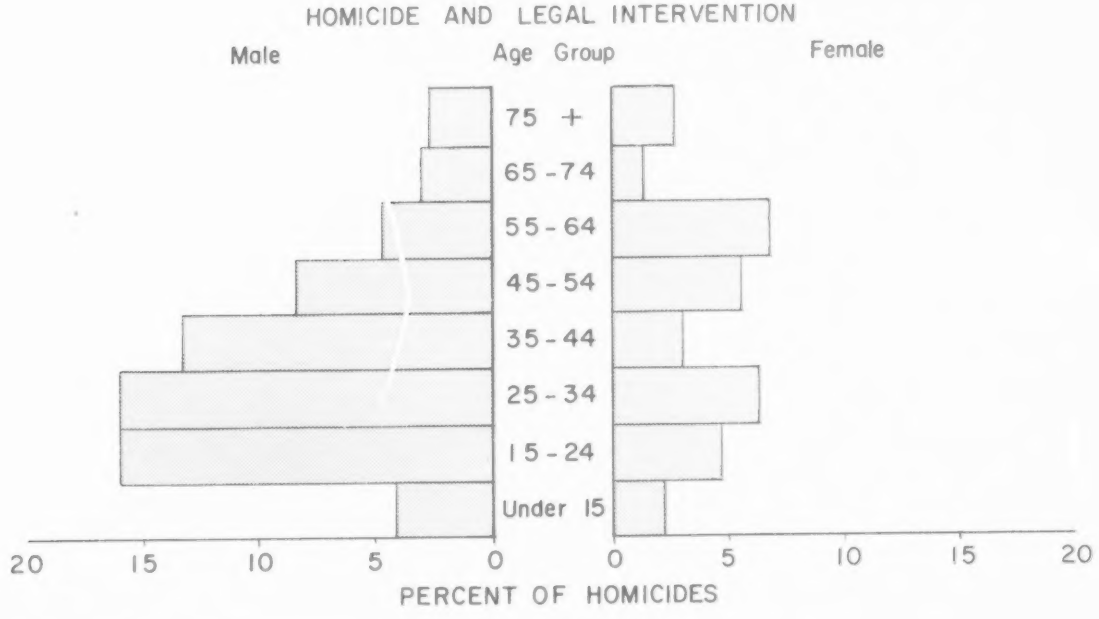
Suicide and Homicide: Suicide and homicide and legal intervention ranked ninth and fifteenth, respectively, among the leading causes of death in 1982. The average age at death from suicidal causes was 45.0 years; that of homicide and legal intervention was 38.4, clearly emphasizing the early age of persons dying from these unnatural causes. The Kansas suicide rate was 11.3 in 1982, 3.4 percent lower than the estimated 1982 national rate of 11.7. The distribution of suicide and homicide deaths in Figure 19 compares the age group and sex of victims.

Over three-fourths (78.3 percent) of the 272 suicide victims in 1982 were males. Male victims between 25 and 34 years of age accounted for 18.0 percent of all suicide deaths while men between 15 and 24 years of age ranked second with 13.6 percent. The most prevalent age group for female suicide victims was the 45-54 age group, which accounted for 4.8 percent of all suicide deaths. The average age of male suicide victims was 44.5, while the average age of female victims was 46.5 years.

Figure 19 also illustrates the predominance of male homicide and legal intervention victims over female victims; over two-thirds (67.6 percent) of the 145 homicide victims in 1982 were male. Sixteen (15.9) percent of the homicide deaths were men in the 25 to 34 age group and another 15.9 percent were in the 15 to 24 age group. Seven (6.9) percent of the homicide victims were females in the 55-64 age group, and 6.2 percent were females between 25 and 34 years of age. The average age of male homicide victims in 1982 was 36.1 years; that of female victims was 43.1 years. The 1982 homicide and legal intervention rate for Kansas was 6.0, and was 37.5 percent lower than the estimated United States rate of 9.6.

SUICIDE AND HOMICIDE: PERCENT DISTRIBUTION BY AGE GROUP AND SEX KANSAS, 1982





*No suicide deaths occurred for females under 15

Residence data.

Figure 19

Non-underlying Causes: The ten leading underlying causes of death are listed in Table 16, along with the number of times each of these specific underlying causes of death was mentioned as a non-underlying (contributing) cause of death. The same cause cannot appear both as an underlving and non-underlying cause; therefore, all of the diagonal cells of the table are blank. Each non-underlying cause is counted only once in the same column but the same death may be counted in more than one column.

In Kansas, in 1982, heart disease accounted for a total of 8,259 underlying causes and 719, or 8.7 percent of these deaths listed atherosclerosis as a non-underlying cause. Cancer accounted for a total 4,416 underlying causes and 922, or 20.9 percent of these deaths listed heart disease as a non-underlying cause. Only 387 deaths were attributed to atherosclerosis in 1982; yet 1,428 of the leading underlying causes listed atherosclerosis as a contributing factor.

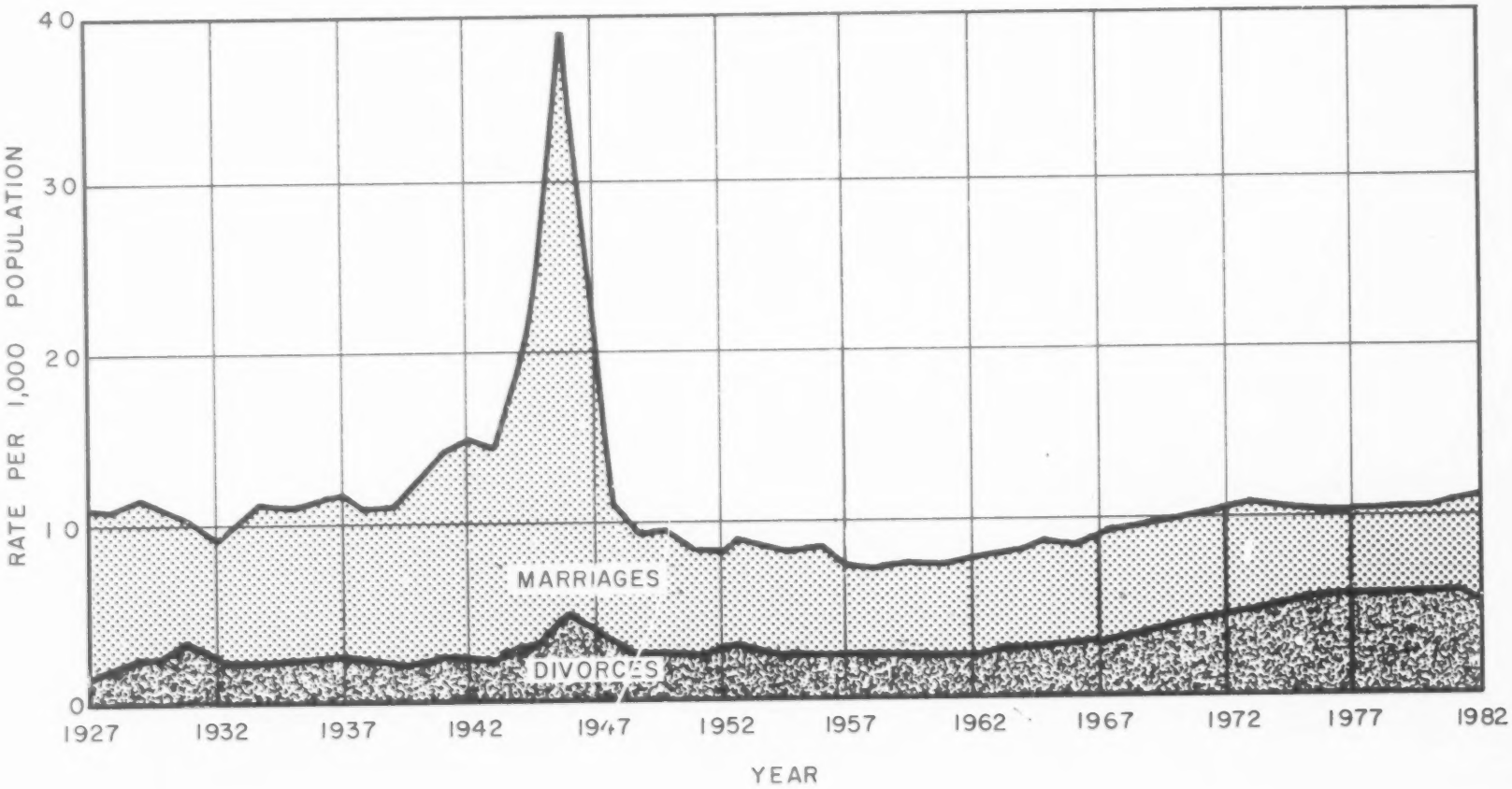
Table 16
Ten Leading Causes of Death[a/]
Underlying Cause by Non-underlying Cause
Kansas, 1982

Leading Underlying Causes of Death (ICD Code)	Total	Non-underlying Causes of Death[b/]										
		Total	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Chronic Obstructive Pulmonary Diseases	Pneumonia and Influenza	Diabetes Mellitus	Atherosclerosis	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis
Leading Causes.....	18,332	9,451	2,698	493	973	440	795	1,017	875	1,428	-	732
Heart Disease (390-398,402,404-429).	8,259	3,633	-	300	692	187	507	340	571	719	-	317
Malignant Neoplasms (140-208).....	4,416	1,946	922	-	89	112	198	286	88	61	-	190
Cerebrovascular Disease (430-438).....	1,941	1,468	475	68	-	62	35	161	128	496	-	43
Accidents (E800-E949).....	1,025	241	164	10	18	-	9	18	4	3	-	15
Chronic Obstructive Pulmonary Diseases (490-496).....	777	664	351	46	30	21	-	132	25	30	-	29
Pneumonia and Influenza (480-487).....	598	413	207	34	59	12	19	-	17	40	-	25
Diabetes Mellitus (250).....	406	532	265	12	72	14	8	24	-	65	-	67
Atherosclerosis (440).....	387	325	178	15	-	22	10	33	21	-	-	46
Suicide (E950-E959).....	272	22	10	3	1	2	2	1	2	1	-	-
Nephritis, Nephrotic Syndrome and Nephrosis (580-589).....	251	207	125	5	12	8	7	17	19	13	-	-

[a/] This table represents only 84.5 percent of the total 21,700 deaths in 1982.
[b/] Non-underlying causes represent the frequency with which these causes are mentioned on the death certificate as other than the underlying cause of death.

MARRIAGES

MARRIAGE AND DIVORCE RATES
KANSAS, 1927-1982



Occurrence data.

Figure 20

MARRIAGES

In 1982, there were 26,670 marriages performed in Kansas, an increase of 2.0 percent over the 1981 total of 26,137. Eighteen (18.2) percent of the persons who exchanged vows in Kansas in 1982 were residents of other states while 81.8 percent were Kansas residents. However, the data presented in this summary refer to all marriages which occurred in the State. (The number of marriages performed in each county and corresponding marriage rates appear in Appendix Table 33.)

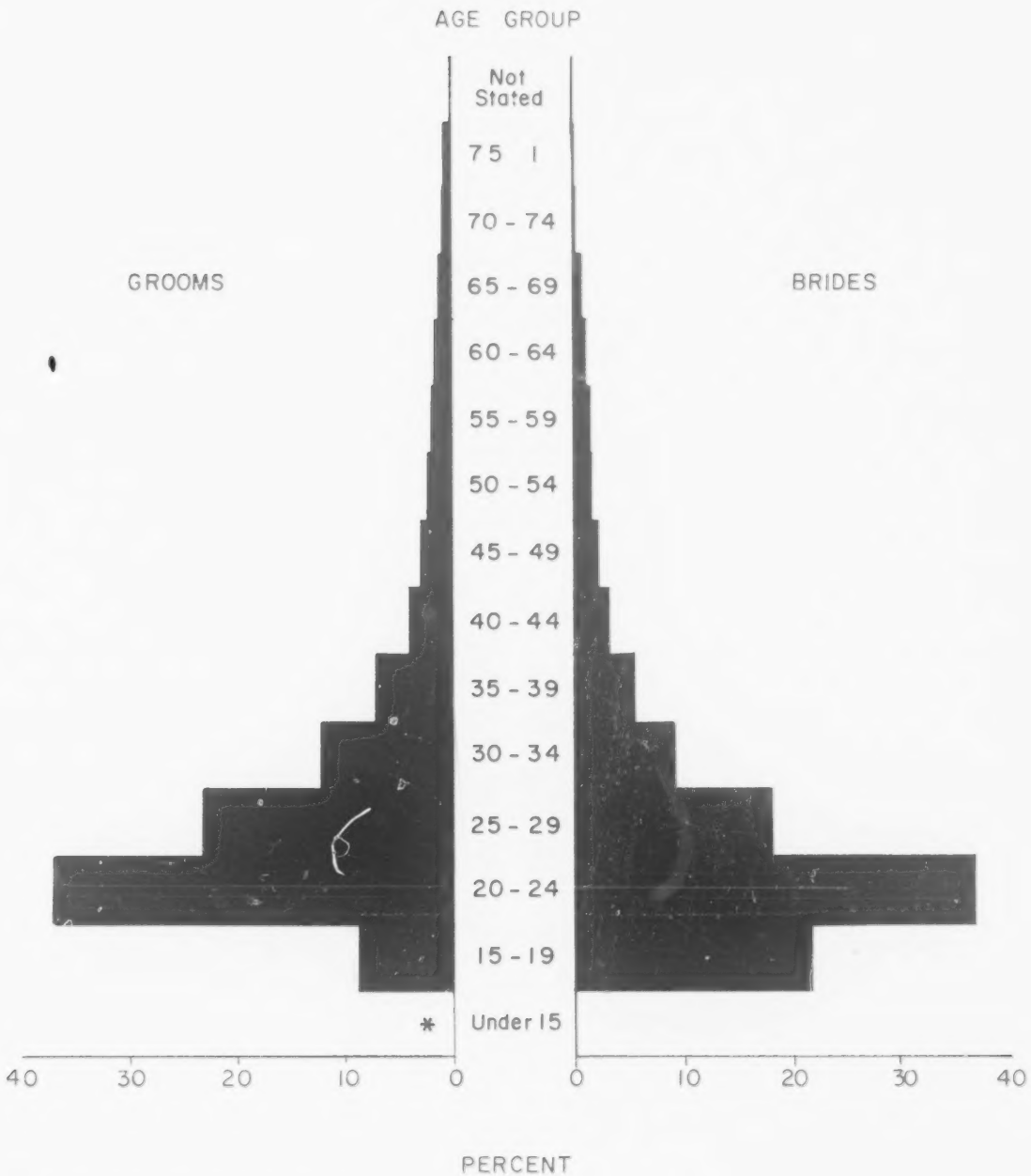
Trends

Following World War II, marriage rates in Kansas reached a record high of 38.8 per thousand population in 1946, as outlined in Figure 20. After falling sharply in the late Forties and during the Korean War in the early 1950's, the rates dipped slightly between 1955 and 1960. In 1961, when the rate was 7.6 per 1,000 population, marriage rates in Kansas began to rise again. Upon reaching 10.0 in 1970, the rates stabilized between 10.0 and 10.9 from 1970 to 1981. In 1982 the Kansas marriage rate was 11.1, 2.8 percent higher than the estimated national rate of 10.8.

Nuptial Age

As illustrated in Figure 21, the highest percentage of those who married in 1982 were between 20 and 24 years of age. Thirty-seven (36.6) percent of the brides and 37.0 percent of the grooms were in that age group. The average age of all brides in 1982 was 26.5; that of grooms was 29.1. Women marrying for the first time averaged 21.8 years of age while first-time grooms averaged 24.1 years. Of those persons who remarried during 1982, women were, on the average, 34.0 years old and men were 37.4 years of age. The number of brides and grooms by age group in 1982 are shown in Table 17. The most common age combination was 18-year-old brides and 20-year-old grooms.

MARRIAGES: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1982



*There were no grooms under 15.
Occurrence data

Figure 21

Table 17
Marriages by Age Group of Groom, by Age Group of Bride
Kansas, 1982

Age Group of Groom	Total	Age Group of Bride														
		Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54	55-59	60-64	65-69	70-74	75 & Over	Not Stated
Total.....	26,670	15	5,767	9,757	4,796	2,522	1,401	818	500	315	251	214	148	86	58	22
Under 15....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15-19.....	2,280	9	1,782	413	50	19	[illegible]	-	-	-	-	-	-	-	-	3
20-24.....	9,871	6	3,258	5,505	843	182	45	17	7	-	1	-	-	-	-	7
25-29.....	6,119	-	576	2,736	2,090	547	135	23	6	2	1	-	-	-	-	3
30-34.....	3,151	-	107	778	1,144	805	217	74	16	6	2	1	-	-	-	1
35-39.....	1,857	-	28	218	459	560	415	129	34	10	3	-	-	-	-	1
40-44.....	1,056	-	6	61	142	256	299	208	68	14	-	1	1	-	-	-
45-49.....	686	-	2	14	43	83	164	191	136	36	13	2	1	-	1	-
50-54.....	529	-	3	13	17	51	76	103	119	93	40	10	3	-	-	1
55-59.....	345	-	-	4	3	11	31	55	68	65	76	26	3	1	2	-
60-64.....	289	-	2	3	1	3	12	13	27	57	64	71	31	2	3	-
65-69.....	200	-	-	3	1	2	3	3	12	18	36	55	53	11	3	-
70-74.....	142	-	-	-	1	1	-	1	5	9	12	31	32	38	11	1
75 & Over...	123	-	-	1	-	1	-	1	2	3	3	16	24	34	38	-
Not Stated..	22	-	3	8	2	1	-	-	-	2	-	1	-	-	-	5

Occurrence data.

Premarital Status

Marriages where neither party had been previously married accounted for 13,600, or 51.0 percent of all marriages. Most of those remarrying, 89.7 percent, had been divorced, 9.0 percent were widowed and 1.3 percent had obtained annulments. Shown in Table 18 are the number of brides and grooms in 1982 by their premarital status.

Table 18
Marriages by Premarital Status of Bride and Groom
Kansas, 1982

Premarital Status of Groom	Total	Premarital Status of Bride				
		Never Married	Divorced	Annulled	Widowed	Not Stated
Total	26,670	16,422	9,116	136	942	54
Never Married	16,635	13,600	2,858	51	109	17
Divorced	8,983	2,677	5,843	62	378	23
Annulled	131	62	49	16	4	-
Widowed	872	72	347	6	446	1
Not Stated	49	11	19	1	5	13

Seasonality

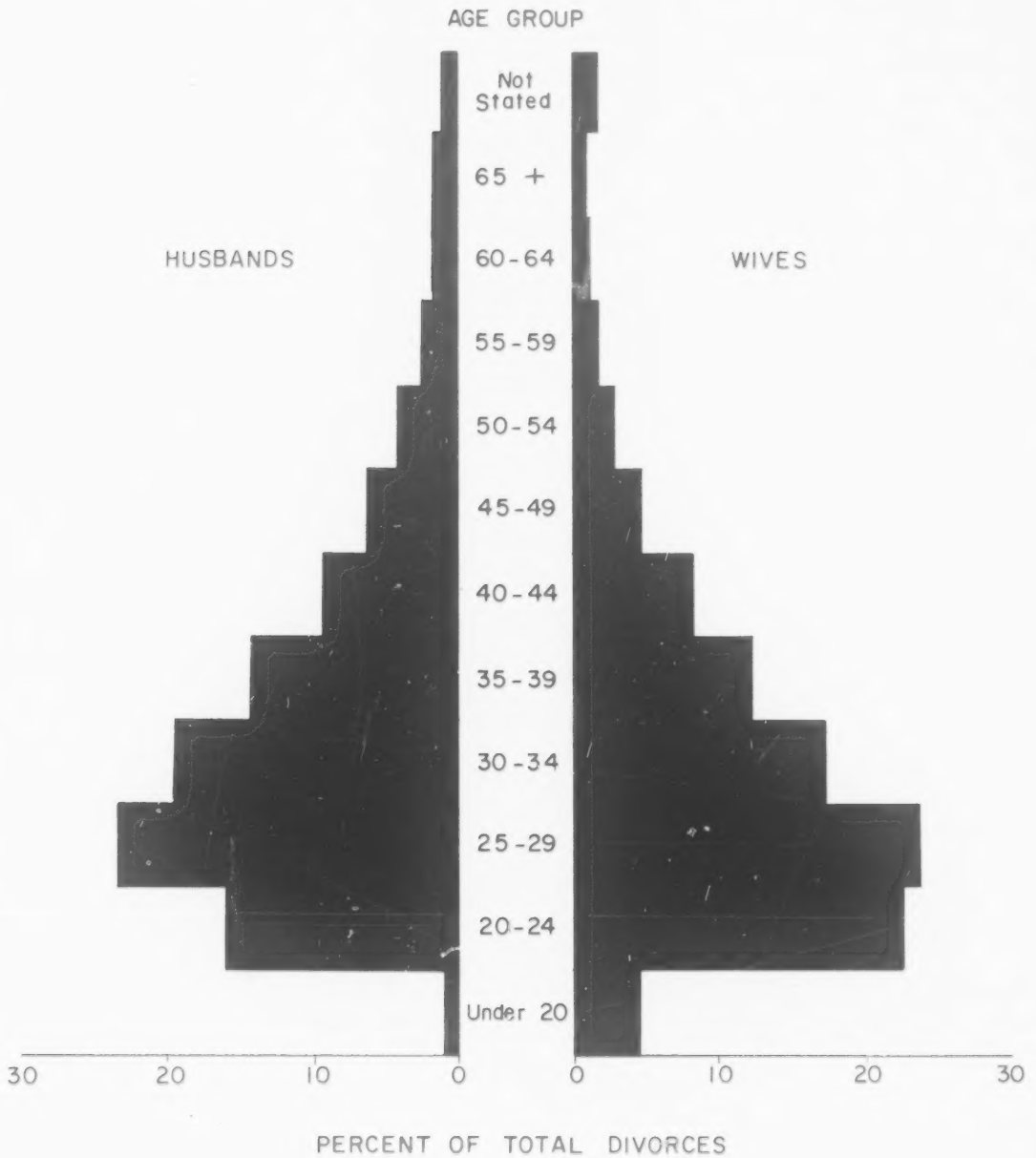
June accounted for 3,151 or 11.8 percent, of the marriages performed in Kansas in 1982. May and July were the second and third most popular months and accounted for 11.1 percent and 10.4 percent, respectively. The distribution of marriages by month of ceremony is presented below.

Marriages: Number and Percent by Month

	Number	Percent
Total	26,670	100.0
January	1,610	6.0
February	1,600	6.0
March	1,585	5.9
April	2,043	7.7
May	2,961	11.1
June	3,151	11.8
July	2,777	10.4
August	2,617	9.8
September	2,268	8.5
October	2,122	8.0
November	1,916	7.2
December	2,020	7.6

DIVORCES AND ANNULMENTS

DIVORCES: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1982



Occurrence data.

Figure 22

DIVORCES AND ANNULMENTS

There were 12,392 marriage dissolutions in Kansas in 1982, a decrease of 9.8 percent from the 13,737 granted in 1981. The number of divorces decreased from 13,484 in 1981 to 12,139 in 1982, while the number of annulments remained at 253.

Whereas a divorce is the dissolution of a legally binding marriage contract, an annulment voids the marriage contract of an invalid marriage. It is therefore as expected that annulments represent a minor portion of all marriage dissolutions in Kansas (2.0 percent in 1982). In many cases annulments have been grouped with divorces for purposes of presentation in this summary. (The total divorces and annulments in each county from 1978 through 1982 are shown by number and rate in Appendix Table 34.)

Trends

Prior to and during World War II the divorce rates remained relatively stable, as shown in Figure 20. In 1946, however, the divorce rate reached a peak of 5.0 per 1,000 population. Following this increase the divorce rates stabilized along the average annual rate of 2.5 per 1,000 population from 1949 to 1966. Since that time, the divorce rate has generally increased, reaching a high of 5.6 in 1980 and 1981, and then decreasing significantly in 1982 to a rate of 5.0. The Kansas divorce and annulment rate in 1982 was 5.1, the same as the estimated national rate for 1982.

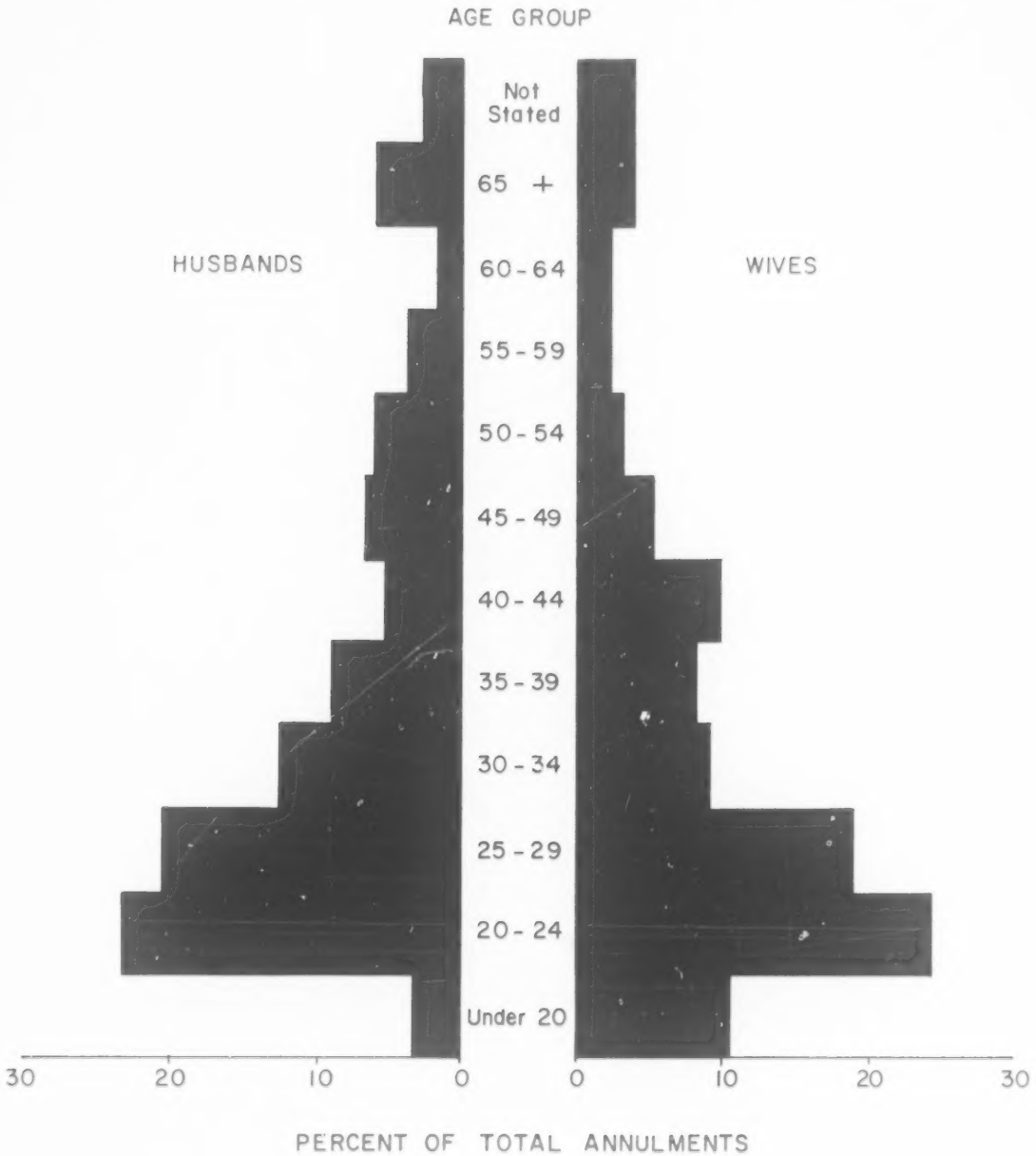
The number of annulments increased from 65 in 1952 to 253 in 1982. The annulment rate per thousand population fluctuated very little, remaining between 0.03 and 0.12 during that time period.

Ages of Spouses

As shown in Figure 22, the most common age group involved in divorces was 25 to 29 years, with the incidence decreasing with the older age groups. This age group accounted for 23.4 percent and 23.6 percent of all newly divorced men and women respectively. The average age of husbands who were divorced was 34.0; that of wives was 31.4.

The ages between 20 and 24 were the most prevalent ages during which annulments were granted to husbands and wives in 1982. The average age of wives of annulled marriages was 32.5, while that of husbands was 35.1. Illustrated in Figure 23, is the percent distribution of annulments by husbands' and wives' ages.

ANNULMENTS: PERCENT DISTRIBUTION BY AGE GROUP KANSAS, 1982



Occurrence data

Figure 23

Duration of Marriage

Over half, 54.1 percent, of the marriages dissolved in 1982 were terminated before the sixth year of marriage as outlined in Table 19. Marriages ending in divorce lasted an average of 8.1 years. Couples who received annulments had been married an average of 1.5 years.

Table 19
Divorces and Annulments
By Duration of Marriage in Years
Kansas, 1982

Duration of Marriage	Total Divorces and Annulments	Divorces	Annulments
Total	12,392	12,139	253
Under 1 year	1,077	924	153
1 year	1,442	1,393	49
2 years	1,351	1,336	15
3 years	1,131	1,116	15
4 years	925	919	6
5 years	773	766	7
6 years	678	676	2
7 years	580	579	1
8 years	497	497	-
9 years	431	430	1
10 years	389	387	2
11 years	331	330	1
12 years	334	334	-
13 years	255	255	-
14 years	214	214	-
15 years	192	192	-
16 years	187	187	-
17 years	164	164	-
18 years	152	152	-
19 years	162	162	-
20-24 years	534	534	-
25-29 years	304	304	-
30-34 years	165	165	-
35-39 years	58	58	-
40 years & Over	35	35	-
Not Stated	31	30	1

Occurrence data.

Number of Minor Children

As shown in Table 20, 13,862 minor children were involved in the 12,392 divorces and annulments in 1982. At least one minor child was reported in over half, 58.5 percent, of the marriages ending in divorce. Three percent (3.2) of the annulments involved minor children.

Table 20
Divorces and Annulments by Number and Percent
By Number of Minor Children
Kansas, 1982

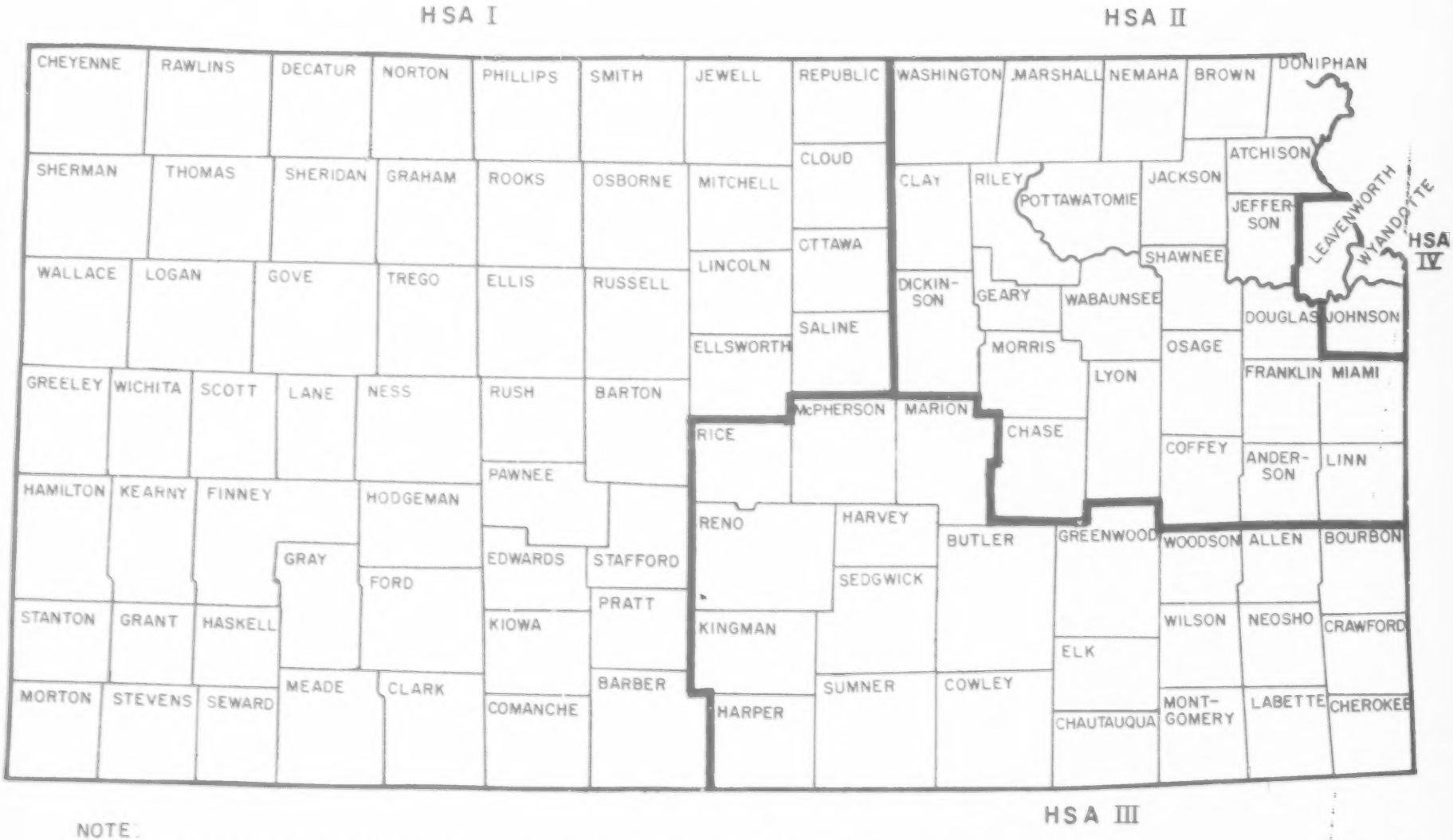
Number of Minor Children Reported	Divorces		Annulments		Total Children
	Number	Percent	Number	Percent	Number*
Total.....	12,139	100.0	253	100.0	13,862
None.....	5,041	41.5	245	96.8	-
1.....	2,894	23.9	7	2.8	2,901
2.....	2,592	21.4	-	-	5,184
3.....	1,011	8.3	-	-	3,033
4 or More.....	592	4.9	1	0.4	2,744
Not Stated.....	9	n/a	-	-	n/a

*This represents the number of children reported in marriages ending in divorce or annulment.

Occurrence data.

APPENDIX

HEALTH SERVICE AREAS*
KANSAS



NOTE:
HSA IV includes Cass, Clay, Jackson, Platte and Ray counties in Missouri.
*Current Health Service Area alignment was effective April 11, 1977.

Figure 24

Table 21
Vital Statistics by Health Service Area
Kansas, 1982

Vital Statistic	Kansas	HSA I	HSA II	HSA III	HSA IV
Population	2,408,781	425,973	608,052	861,719	513,037
Population Density	29.5	9.3	37.7	46.6	470.7
Live Births	40,757	7,694	10,176	14,723	8,164
Birth Rate	16.9	18.1	16.7	17.1	15.9
Premature Births	2,532	421	637	939	535
Premature Birth Ratio	6.2	5.5	6.3	6.4	6.6
Out-of-Wedlock Births	5,259	716	1,195	1,980	1,368
Out-of-Wedlock Birth Ratio	12.9	9.3	11.7	13.4	16.8
Induced Abortions*	6,153	468	1,828	1,542	2,300
Abortion Ratio	151.0	60.8	179.6	104.7	281.7
Fetal Deaths	336	78	86	110	62
Fetal Death Rate	8.2	10.0	8.4	7.4	7.5
Hebdomadal Deaths	234	32	65	82	55
Perinatal Deaths	570	110	151	192	117
Infant Deaths	417	60	124	135	98
Maternal Deaths	3	1	-	2	-
Deaths (Total)	21,700	4,353	5,286	8,337	3,724
Death Rate	9.0	10.2	8.7	9.7	7.3
Marriages	26,670	5,011	6,641	9,953	5,065
Marriage Rate	11.1	11.8	10.9	11.6	9.9
Divorces and Annulments	12,392	1,969	3,000	5,466	1,957
Divorce and Annulment Rate	5.1	4.6	4.9	6.3	3.8

*Fifteen abortions by county of residence unknown.
Residence data are presented for births, deaths and abortions.
Occurrence data are presented for marriages, divorces and annulments.

Table 22
Selected Causes of Death by Health Service Area
Kansas, 1982

Cause of Death (ICD Code)	Kansas		HSA I		HSA II		HSA III		HSA IV	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
All Causes	21,700	900.9	4,353	1021.9	5,286	869.3	8,337	967.5	3,724	725.9
Tuberculosis (010-018)	5	0.2	-	-	-	-	3	0.3	2	0.4
Septicemia (038)	121	5.0	23	5.4	21	3.5	58	6.7	19	3.7
Malignant Neoplasms (140-208)	4,416	183.3	849	199.3	1,069	175.8	1,690	196.1	808	157.5
Diabetes Mellitus (250)	406	16.9	107	25.1	95	15.6	138	16.0	66	12.9
Heart Disease (390-398, 402, 404-429)	8,259	342.9	1,677	393.7	2,039	335.3	3,211	372.6	1,332	259.6
Hypertension (401, 403)	77	3.2	15	3.5	15	2.5	28	3.2	19	3.7
Cerebrovascular Disease (430-438)	1,941	80.6	374	87.8	491	80.7	795	92.3	281	54.8
Atherosclerosis (440)	387	16.1	97	22.8	127	20.9	132	15.3	31	6.0
Pneumonia and Influenza (480-487)	598	24.8	130	30.5	162	26.6	206	23.9	100	19.5
Chronic Obstructive Pulmonary Diseases and Allied Conditions (490-496)	777	32.3	178	41.8	172	28.3	272	31.6	155	30.2
Ulcer of Stomach and Duodenum (531-533)	72	3.0	17	4.0	15	2.5	30	3.5	10	1.9
Chronic Liver Disease and Cirrhosis (571)	187	7.8	35	8.2	44	7.2	76	8.8	32	6.2
Nephritis, Nephrotic Syndrome and Nephrosis (580-589)	251	10.4	64	15.0	53	8.7	99	11.5	35	6.8
Congenital Anomalies (740-759)	148	6.1	30	7.0	29	4.8	63	7.3	26	5.1
Certain Conditions Originating in the Perinatal Period (760-779)	203	8.4	21	4.9	60	9.9	67	7.8	55	10.7
Motor-Vehicle Accidents (E810-E825)	531	22.0	129	30.3	128	21.1	191	22.2	83	16.2
Nonmotor-Vehicle Accidents (E800-E807, E826-E949)	494	20.5	102	23.9	134	22.0	181	21.0	77	15.0
Suicide (E950-E959)	272	11.3	49	11.5	49	8.1	103	12.0	71	13.8
Homicide and Legal Intervention (E960-E978)	145	6.0	24	5.6	19	3.1	63	7.3	39	7.6
All Other Causes (residual)	2,410	100.1	432	101.4	564	92.8	931	108.0	483	94.1

Residence data.

Table 23
Population by County
Kansas, 1978-1982

County of Residence	Year				
	1978	1979	1980	1981	1982
Kansas	2,359,262	2,362,075	2,363,208	2,389,202	2,408,781
Allen	16,019	16,104	15,654	16,100	16,278
Anderson	8,332	8,597	8,749	8,761	8,829
Atchison	20,562	17,686	18,397	17,945	17,899
Barber	6,614	6,515	6,548	6,534	6,549
Barton	37,881	31,934	31,343	31,943	32,188
Bourbon	16,613	16,003	15,969	16,222	16,402
Brown	12,658	11,699	11,955	12,053	12,211
Butler	44,211	43,687	44,782	45,886	47,089
Chase	3,343	3,511	3,309	3,314	3,289
Chautauqua	5,056	4,649	5,016	4,974	5,096
Cherokee	23,789	21,628	22,304	22,181	22,337
Cheyenne	3,976	3,928	3,678	3,727	3,664
Clark	2,716	2,858	2,599	2,622	2,589
Clay	10,015	10,134	9,802	10,008	10,048
Cloud	13,850	12,738	12,494	12,521	12,433
Coffey	8,094	8,743	9,370	9,599	9,999
Comanche	2,685	2,756	2,554	2,539	2,508
Cowley	35,304	35,010	36,824	36,748	37,368
Crawford	38,233	37,373	37,916	37,728	37,806
Decatur	4,880	5,072	4,509	4,623	4,573
Dickinson	22,687	20,993	20,175	20,353	20,307
Doniphan	9,728	9,016	9,268	9,199	9,242
Douglas	65,852	67,715	67,640	67,644	68,183
Edwards	4,385	4,564	4,271	4,348	4,313
Elk	4,011	3,968	3,918	4,054	4,147
Ellis	25,528	27,258	26,098	26,781	26,856
Ellsworth	7,104	6,334	6,640	6,680	6,830
Finney	28,757	24,635	23,825	24,462	24,882
Ford	25,015	24,199	24,315	24,530	24,702
Franklin	21,399	20,960	21,813	21,826	22,137
Geary	23,275	29,368	29,852	30,189	30,245
Gove	3,922	3,970	3,726	3,843	3,830
Graham	4,488	4,246	3,995	4,058	3,987
Grant	7,253	7,582	6,977	7,379	7,484
Gray	5,165	5,445	5,138	5,260	5,307
Greeley	2,091	1,886	1,845	1,890	1,910
Greenwood	8,916	9,402	8,764	8,480	8,369
Hamilton	3,075	2,987	2,514	2,718	2,699
Harper	8,021	7,930	7,778	7,960	8,055
Harvey	28,748	29,981	30,531	30,862	31,317
Haskell	4,117	4,245	3,814	4,146	4,138
Hodgeman	2,578	2,555	2,269	2,359	2,324
Jackson	11,609	12,317	11,644	11,853	11,940
Jefferson	14,119	14,711	15,207	15,770	16,270
Jewell	5,794	5,735	5,241	5,242	5,153
Johnson	256,259	267,254	270,269	278,863	285,074
Kearny	3,455	3,809	3,435	3,544	3,571
Kingman	9,758	8,998	8,960	9,065	9,138
Kiowa	4,161	4,170	4,046	3,918	3,891
Labette	24,985	25,543	25,682	25,843	26,025
Lane	2,790	2,687	2,472	2,522	2,498
Leavenworth	52,354	55,221	54,809	54,919	54,809
Lincoln	4,629	4,556	4,145	4,147	4,086
Linn	8,515	8,864	8,234	8,351	8,367
Logan	3,656	3,670	3,478	3,583	3,561

Table 23 (cont.)
Population by County
Kansas, 1978-1982

County of Residence	Year				
	1978	1979	1980	1981	1982
Lyon	36,192	34,535	35,108	35,358	35,746
Marion	16,219	13,289	13,522	13,454	13,446
Marshall	13,427	13,674	12,720	12,596	12,475
McPherson	26,045	26,243	26,855	27,138	27,493
Meade	5,023	5,187	4,788	4,833	4,807
Miami	21,934	22,371	21,618	21,632	21,743
Mitchell	8,122	8,121	8,117	8,252	8,358
Montgomery	43,948	40,538	42,281	42,433	43,211
Morris	6,773	6,935	6,419	6,435	6,400
Morton	3,464	3,641	3,454	3,537	3,525
Nemaha	12,001	11,456	11,211	11,064	10,984
Neosho	18,245	18,770	18,967	19,014	19,125
Ness	4,689	4,735	4,498	4,456	4,412
Norton	7,273	6,602	6,689	6,575	6,526
Osage	14,261	14,698	15,319	15,424	15,706
Osborne	6,239	6,349	5,959	5,829	5,759
Ottawa	6,330	6,416	5,971	6,071	6,042
Pawnee	7,825	8,492	8,065	7,934	7,835
Phillips	8,009	7,802	7,406	7,499	7,444
Pottawatomie	14,376	14,284	14,782	15,269	15,805
Pratt	9,752	10,216	10,275	10,468	10,648
Rawlins	4,166	4,278	4,105	3,947	3,891
Reno	65,548	64,181	64,983	65,479	66,105
Republic	8,165	7,531	7,569	7,497	7,431
Rice	11,940	12,380	11,900	11,685	11,594
Riley	41,827	67,463	63,505	65,530	65,808
Rooks	7,398	7,321	7,006	6,600	6,468
Rush	4,957	4,861	4,516	4,492	4,418
Russell	9,404	9,097	8,868	8,438	8,316
Saline	47,318	50,789	48,905	50,814	51,607
Scott	6,624	6,234	5,782	6,021	6,040
Sedgwick	341,881	352,081	366,531	364,973	368,496
Seward	17,332	17,223	17,071	17,449	17,672
Shawnee	180,034	158,229	154,916	158,553	159,221
Sheridan	3,843	3,995	3,544	3,725	3,700
Sherman	8,130	8,135	7,759	7,846	7,765
Smith	6,431	6,439	5,947	6,046	5,966
Stafford	6,185	6,393	5,539	5,596	5,521
Stanton	2,495	2,738	2,339	2,542	2,544
Stevens	4,728	4,987	4,736	4,996	5,098
Sumner	24,371	24,396	24,928	25,200	25,606
Thomas	8,225	8,742	8,451	8,532	8,596
Trego	4,433	4,531	4,165	4,113	4,057
Wabaunsee	6,771	7,093	6,867	6,864	6,882
Wallace	2,232	2,142	2,045	2,048	2,015
Washington	9,056	9,045	8,543	8,416	8,316
Wichita	3,369	3,360	3,041	3,078	2,986
Wilson	13,205	12,058	12,128	12,468	12,759
Woodson	4,713	4,154	4,600	4,432	4,457
Wyandotte	181,304	170,446	172,335	173,882	173,154

Sources: Kansas Board of Agriculture/County Appraisers (1978)
Kansas Department of Health and Environment (1979, 1981, 1982)
United States Bureau of the Census (1980)

Table 24
Live Births by Number and Rate
By County of Residence
Kansas, 1978-1982

County of Residence	Year									
	1978		1979		1980		1981		1982	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas.....	36,581	15.5	38,916	16.5	40,686	17.2	41,202	17.2	40,757	16.9
Allen.....	228	14.2	256	15.9	273	17.4	239	14.8	242	14.9
Anderson.....	133	16.0	110	12.8	147	16.8	137	15.6	158	17.9
Atchison.....	287	14.0	275	15.5	270	14.7	305	17.0	268	15.0
Barber.....	84	12.7	112	17.2	106	16.2	134	20.5	121	18.5
Barton.....	544	14.4	522	16.3	544	17.4	619	19.4	646	20.1
Bourbon.....	223	13.4	245	15.3	259	16.2	230	14.2	262	16.0
Brown.....	196	15.5	201	17.2	188	15.7	183	15.2	197	16.1
Butler.....	688	15.6	641	14.7	753	16.8	752	16.4	748	15.9
Chase.....	47	14.1	48	13.7	44	13.3	48	14.5	47	14.3
Chautauqua.....	41	8.1	63	13.6	63	12.6	68	13.7	73	14.3
Cherokee.....	303	12.7	326	15.1	306	13.7	310	14.0	299	13.4
Cheyenne.....	54	13.6	45	11.5	44	12.0	52	14.0	51	13.9
Clark.....	23	8.5	30	10.5	30	11.5	33	12.6	39	15.1
Clay.....	151	15.1	146	14.4	145	14.8	127	12.7	141	14.0
Cloud.....	169	12.2	170	13.3	177	14.2	186	14.9	162	13.0
Coffey.....	115	14.2	174	19.9	161	17.2	144	15.0	143	14.3
Comanche.....	24	8.9	38	13.8	39	15.3	33	13.0	34	13.6
Cowley.....	526	14.9	568	16.2	599	16.3	588	16.0	584	15.6
Crawford.....	447	11.7	537	14.4	538	14.2	546	14.5	544	14.4
Decatur.....	55	11.3	74	14.6	60	13.3	83	18.0	72	15.7
Dickinson.....	301	13.3	294	14.0	251	12.4	271	13.3	286	14.1
Doniphan.....	135	13.9	143	15.9	181	19.5	145	15.8	142	15.4
Douglas.....	891	13.5	899	13.3	964	14.3	1,030	15.2	948	13.9
Edwards.....	60	13.7	65	14.2	61	14.3	65	14.9	66	15.3
Elk.....	34	8.5	63	15.9	36	9.2	48	11.8	46	11.1
Ellis.....	492	19.3	447	16.4	480	18.4	503	18.8	500	18.6
Ellsworth.....	80	11.3	105	16.6	101	15.2	85	12.7	93	13.6
Finney.....	501	17.4	541	22.0	590	24.8	577	23.6	685	27.5
Ford.....	425	17.0	453	18.7	509	20.9	517	21.1	528	21.4
Franklin.....	297	13.9	348	16.6	325	14.9	325	14.9	339	15.3
Geary.....	1,328	57.1	1,282	43.7	1,272	42.6	1,372	45.4	1,311	43.3
Gove.....	82	20.9	60	15.1	60	16.1	64	16.7	67	17.5
Graham.....	64	14.3	58	13.7	58	14.5	70	17.2	82	20.6
Grant.....	178	24.5	156	20.6	180	25.8	152	20.6	149	19.9
Gray.....	93	18.0	86	15.8	100	19.5	110	20.9	103	19.4
Greeley.....	30	14.3	46	24.4	42	22.8	43	22.8	27	14.1
Greenwood.....	107	12.0	102	10.8	109	12.4	115	13.6	118	14.1
Hamilton.....	35	11.4	34	11.4	36	14.3	40	14.7	33	12.2
Harper.....	78	9.7	102	12.9	116	14.9	96	12.1	109	13.5
Harvey.....	443	15.4	461	15.4	531	17.4	487	15.8	491	15.7
Haskell.....	91	22.1	84	19.8	97	25.4	72	17.4	96	23.2
Hodgeman.....	29	11.2	35	13.7	37	16.3	35	14.8	37	15.9
Jackson.....	167	14.4	211	17.1	176	15.1	183	15.4	183	15.3
Jefferson.....	202	14.3	224	15.2	252	16.6	223	14.1	242	14.9
Jewell.....	75	12.9	81	14.1	66	12.6	81	15.5	80	15.5
Johnson.....	3,560	13.9	3,898	14.6	4,032	14.9	4,122	14.8	3,965	13.9
Kearny.....	81	23.4	67	17.6	79	23.0	100	28.2	70	19.6
Kingman.....	117	12.0	131	14.6	136	15.2	151	16.7	143	15.6
Kiowa.....	56	13.5	55	13.2	70	17.3	71	18.1	71	18.2
Labette.....	352	14.1	376	14.7	427	16.6	416	16.1	371	14.3
Lane.....	41	14.7	41	15.3	40	16.2	40	15.9	40	16.0
Leavenworth....	785	15.0	760	13.8	777	14.2	827	15.1	799	14.6
Lincoln.....	60	13.0	60	13.2	51	12.3	69	16.6	46	11.3
Linn.....	105	12.3	127	14.3	126	15.3	117	14.0	104	12.4
Logan.....	58	15.9	66	18.0	60	17.3	63	17.6	69	19.4

Table 24 (cont.)
Live Births by Number and Rate
By County of Residence
Kansas, 1978-1982

County of Residence	Year									
	1978		1979		1980		1981		1982	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	575	15.9	628	18.2	653	18.6	671	19.0	672	18.8
Marion	175	10.8	167	12.6	171	12.6	174	12.9	152	11.3
Marshall	185	13.8	177	12.9	193	15.2	211	16.8	236	18.9
McPherson	400	15.4	419	16.0	422	15.7	419	15.4	404	14.7
Meade	73	14.5	92	17.7	83	17.3	79	16.3	89	18.5
Miami	295	13.4	315	14.1	321	14.8	328	15.2	327	15.0
Mitchell	118	14.5	131	16.1	134	16.5	128	15.5	111	13.3
Montgomery	611	13.9	672	16.6	703	16.6	691	16.3	758	17.5
Morris	78	11.5	104	15.0	77	12.0	89	13.8	93	14.5
Morton	48	13.9	60	16.5	70	20.3	73	20.6	78	22.1
Nemaha	174	14.5	193	16.8	190	16.9	211	19.1	179	16.3
Neosho	279	15.3	269	14.3	291	15.3	333	17.5	306	16.0
Ness	75	16.0	83	17.5	82	18.2	86	19.3	81	18.4
Norton	72	9.9	84	12.7	95	14.2	89	13.5	77	11.8
Osage	183	12.8	238	16.2	235	15.3	222	14.4	212	13.5
Osborne	63	10.1	88	13.9	77	12.9	87	14.9	77	13.4
Ottawa	76	12.0	87	13.6	87	14.6	68	11.2	76	12.6
Pawnee	109	13.9	112	13.2	135	16.7	131	16.5	144	18.4
Phillips	92	11.5	110	14.1	106	14.3	101	13.5	106	14.2
Pottawatomie	258	17.9	258	18.1	273	18.5	302	19.8	255	16.1
Pratt	164	16.8	149	14.6	182	17.7	167	16.0	201	18.9
Rawlins	62	14.9	60	14.0	66	16.1	72	18.2	77	19.8
Reno	1,002	15.3	968	15.1	1,114	17.1	992	15.1	1,002	15.2
Republic	74	9.1	97	12.9	96	12.7	97	12.9	80	10.8
Rice	187	15.7	186	15.0	183	15.4	187	16.0	170	14.7
Riley	863	20.6	899	13.3	944	14.9	1,008	15.4	1,002	15.2
Rooks	111	15.0	110	15.0	112	16.0	129	19.5	131	20.3
Rush	55	11.1	61	12.5	71	15.7	63	14.0	49	11.1
Russell	120	12.8	139	15.3	132	14.9	135	16.0	157	18.9
Saline	742	15.7	745	14.7	813	16.6	804	15.8	817	15.8
Scott	107	16.2	100	16.0	95	16.4	102	16.9	112	18.5
Sedgwick	6,031	17.6	6,735	19.1	7,094	19.4	7,378	20.2	7,238	19.6
Seward	345	19.9	357	20.7	404	23.7	407	23.3	439	24.8
Shawnee	2,319	12.9	2,508	15.9	2,588	16.7	2,490	15.7	2,480	15.6
Sheridan	64	16.7	60	15.0	60	16.9	62	16.6	61	16.5
Sherman	131	16.1	127	15.6	138	17.8	122	15.5	134	17.3
Smith	85	13.2	71	11.0	79	13.3	75	12.4	75	12.6
Stafford	86	13.9	86	13.5	74	13.4	98	17.5	83	15.0
Stanton	35	14.0	52	19.0	54	23.1	49	19.3	53	20.8
Stevens	90	19.0	107	21.5	89	18.8	74	14.8	86	16.9
Sumner	342	14.0	393	16.1	432	17.3	420	16.7	451	17.6
Thomas	149	18.1	164	18.8	146	17.3	132	15.5	167	19.4
Trego	62	14.0	67	14.8	63	15.1	76	18.5	63	15.5
Wabaunsee	94	13.9	101	14.2	95	13.8	88	12.8	94	13.7
Wallace	38	17.0	37	17.3	41	20.0	39	19.0	39	19.4
Washington	126	13.9	126	13.9	113	13.2	105	12.5	117	14.1
Wichita	71	21.1	58	17.3	62	20.4	57	18.5	64	21.4
Wilson	167	12.6	197	16.3	180	14.8	158	12.7	154	12.1
Woodson	56	11.9	62	14.9	72	15.7	64	14.4	58	13.0
Wyandotte	3,093	17.1	3,265	19.2	3,522	20.4	3,557	20.5	3,400	19.6

Table 25
Live Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1982

County of Residence	Total	Age Group of Mother							
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Kansas.....	40,757	52	5,399	14,730	13,131	5,890	1,311	228	16
Allen.....	242	1	37	102	70	25	4	3	-
Anderson.....	158	-	23	57	48	16	10	4	-
Atchison.....	268	-	61	93	66	38	9	1	-
Barber.....	121	-	9	48	52	9	1	2	-
Barton.....	646	-	68	247	208	93	27	3	-
Bourbon.....	262	1	39	87	81	44	8	2	-
Brown.....	197	-	22	80	60	29	6	-	-
Butler.....	748	-	90	284	231	116	25	1	1
Chase.....	47	-	5	16	16	9	-	1	-
Chautauqua....	73	-	10	31	19	10	3	-	-
Cherokee.....	299	1	64	115	78	35	5	1	-
Cheyenne.....	51	-	5	19	19	6	2	-	-
Clark.....	39	-	5	17	11	3	2	1	-
Clay.....	141	1	14	48	44	26	7	1	-
Cloud.....	162	-	22	64	43	21	12	-	-
Coffey.....	143	-	20	56	44	17	5	1	-
Comanche.....	34	-	4	11	14	4	1	-	-
Cowley.....	584	-	97	233	176	65	11	2	-
Crawford.....	544	-	86	211	158	69	19	1	-
Decatur.....	72	-	13	27	30	2	-	-	-
Dickinson.....	286	-	41	110	88	38	8	1	-
Doniphan.....	142	-	26	52	40	17	5	2	-
Douglas.....	948	5	75	310	337	182	34	5	-
Edwards.....	66	-	10	29	22	4	1	-	-
Elk.....	46	-	6	17	10	8	4	1	-
Ellis.....	500	-	56	176	189	61	15	3	-
Ellsworth.....	93	-	6	31	35	19	2	-	-
Finney.....	685	2	105	245	215	97	16	4	1
Ford.....	528	1	79	193	172	64	15	3	1
Franklin.....	339	1	50	146	97	37	5	3	-
Geary.....	1,311	2	250	623	310	98	23	5	-
Gove.....	67	-	8	25	20	13	1	-	-
Graham.....	82	-	9	38	26	7	1	1	-
Grant.....	149	-	29	50	40	24	6	-	-
Gray.....	103	-	11	46	27	10	8	1	-
Greeley.....	27	-	3	13	8	3	-	-	-
Greenwood.....	118	-	22	53	30	7	5	1	-
Hamilton.....	33	-	1	11	14	5	2	-	-
Harper.....	109	-	15	46	29	16	3	-	-
Harvey.....	491	-	57	169	173	68	18	5	1
Haskell.....	96	-	9	36	39	12	-	-	-
Hodgeman.....	37	-	4	18	10	4	1	-	-
Jackson.....	183	-	28	60	60	23	8	4	-
Jefferson.....	242	-	36	66	78	40	16	6	-
Jewell.....	80	-	7	26	37	8	1	1	-
Johnson.....	3,965	1	217	917	1,549	1,021	232	27	1
Kearny.....	70	-	13	32	16	9	-	-	-
Kingman.....	143	-	18	64	44	8	7	1	1
Kiowa.....	71	1	8	27	25	6	4	-	-
Labette.....	371	-	63	145	112	41	9	1	-
Lane.....	40	-	8	11	10	8	3	-	-
Leavenworth...	799	-	121	279	228	139	32	-	-
Lincoln.....	46	-	3	16	16	8	2	1	-
Linn.....	104	-	16	36	35	15	2	-	-
Logan.....	69	-	11	25	20	9	3	1	-

Table 25 (cont.)
Live Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1982

County of Residence	Total	Age Group of Mother							
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Lyon.....	672	-	76	252	236	86	18	4	-
Marion.....	152	-	24	45	52	26	4	1	-
Marshall.....	236	-	25	92	78	30	11	-	-
McPherson.....	404	-	27	135	175	57	8	1	1
Meade.....	89	-	17	30	27	13	1	1	-
Miami.....	327	-	53	126	92	46	9	1	-
Mitchell.....	111	-	8	31	46	20	4	2	-
Montgomery....	758	2	133	289	237	80	15	2	-
Morris.....	93	-	10	39	28	10	6	-	-
Morton.....	78	-	9	31	21	14	2	1	-
Nemaha.....	179	-	11	69	62	31	5	1	-
Neosho.....	306	-	64	108	97	29	7	1	-
Ness.....	81	-	10	27	28	12	3	1	-
Norton.....	77	-	7	29	20	16	5	-	-
Osage.....	212	-	35	83	67	19	5	3	-
Osborne.....	77	-	5	32	33	6	1	-	-
Ottawa.....	76	-	5	31	23	12	4	1	-
Pawnee.....	144	-	14	62	50	11	5	2	-
Phillips.....	106	-	14	37	40	10	5	-	-
Pottawatomie..	255	-	26	92	88	41	7	1	-
Pratt.....	201	-	21	80	66	30	4	-	-
Rawlins.....	77	-	8	20	30	14	4	1	-
Reno.....	1,002	1	120	380	362	114	23	2	-
Republic.....	80	-	10	30	26	12	2	-	-
Rice.....	170	-	25	67	56	17	4	1	-
Riley.....	1,002	1	110	408	309	139	28	7	-
Rooks.....	131	-	17	50	47	13	3	1	-
Rush.....	49	-	8	16	16	9	-	-	-
Russell.....	157	-	20	58	56	20	3	-	-
Saline.....	817	-	96	300	298	99	20	4	-
Scott.....	112	-	13	42	42	13	2	-	-
Sedgwick.....	7,238	17	971	2,608	2,390	1,008	205	38	1
Seward.....	439	-	81	190	115	41	12	-	-
Shawnee.....	2,480	4	325	842	814	405	75	14	1
Sheridan.....	61	-	11	25	17	6	2	-	-
Sherman.....	134	-	18	54	43	14	4	1	-
Smith.....	75	-	8	28	18	14	4	3	-
Stafford.....	83	-	11	21	29	18	4	-	-
Stanton.....	53	-	13	20	12	7	1	-	-
Stevens.....	86	-	13	35	24	9	2	3	-
Sumner.....	451	-	68	174	124	68	14	2	1
Thomas.....	167	-	20	62	56	22	6	1	-
Trego.....	63	-	6	30	16	9	2	-	-
Wabaunsee.....	94	-	9	37	28	13	7	-	-
Wallace.....	39	-	2	14	13	7	3	-	-
Washington....	117	-	11	41	35	24	6	-	-
Wichita.....	64	-	8	29	14	7	5	1	-
Wilson.....	154	-	28	58	45	19	3	1	-
Woodson.....	58	-	12	23	14	6	2	1	-
Wyandotte.....	3,400	10	648	1,361	887	378	87	23	6

Table 26
Out-of-Wedlock Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1982

County of Residence	Total	Age Group of Mother							
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Kansas.....	5,259	47	2,099	2,064	710	240	74	24	1
Allen.....	17	1	6	5	3	1	-	1	-
Anderson.....	10	-	8	2	-	-	-	-	-
Atchison.....	32	-	20	7	2	2	1	-	-
Barber.....	6	-	2	2	2	-	-	-	-
Barton.....	52	-	19	17	10	3	3	-	-
Bourbon.....	32	1	14	13	3	1	-	-	-
Brown.....	18	-	8	4	5	-	1	-	-
Butler.....	71	-	28	33	8	2	-	-	-
Chase.....	3	-	1	1	1	-	-	-	-
Chautauqua....	7	-	4	1	-	1	1	-	-
Cherokee.....	40	1	14	15	6	2	2	-	-
Cheyenne.....	1	-	-	1	-	-	-	-	-
Clark.....	1	-	-	1	-	-	-	-	-
Clay.....	12	1	3	5	3	-	-	-	-
Cloud.....	22	-	11	10	1	-	-	-	-
Coffey.....	4	-	1	1	1	1	-	-	-
Comanche.....	1	-	1	-	-	-	-	-	-
Cowley.....	52	-	23	15	6	6	2	-	-
Crawford.....	58	-	25	25	5	3	-	-	-
Decatur.....	4	-	3	-	1	-	-	-	-
Dickinson.....	29	-	12	13	2	1	1	-	-
Doniphan.....	17	-	8	7	2	-	-	-	-
Douglas.....	112	5	25	52	19	9	1	1	-
Edwards.....	8	-	2	5	1	-	-	-	-
Elk.....	2	-	1	1	-	-	-	-	-
Ellis.....	39	-	21	14	1	-	1	2	-
Ellsworth.....	3	-	1	-	2	-	-	-	-
Finney.....	84	1	39	25	11	2	3	3	-
Ford.....	77	1	27	31	14	4	-	-	-
Franklin.....	43	1	17	16	5	3	1	-	-
Geary.....	167	2	50	82	25	8	-	-	-
Gove.....	1	-	1	-	-	-	-	-	-
Graham.....	7	-	1	6	-	-	-	-	-
Grant.....	24	-	10	8	3	2	1	-	-
Gray.....	9	-	1	5	3	-	-	-	-
Greeley.....	3	-	2	-	-	1	-	-	-
Greenwood.....	13	-	6	5	-	-	1	1	-
Hamilton.....	1	-	-	1	-	-	-	-	-
Harper.....	11	-	5	6	-	-	-	-	-
Harvey.....	48	-	15	22	8	1	1	-	1
Haskell.....	5	-	2	2	1	-	-	-	-
Hodgeman.....	-	-	-	-	-	-	-	-	-
Jackson.....	20	-	15	4	1	-	-	-	-
Jefferson.....	10	-	6	1	2	1	-	-	-
Jewell.....	2	-	1	1	-	-	-	-	-
Johnson.....	231	1	81	90	37	15	7	-	-
Kearny.....	8	-	2	4	1	1	-	-	-
Kingman.....	9	-	6	3	-	-	-	-	-
Kiowa.....	3	-	-	3	-	-	-	-	-
Labette.....	41	-	16	16	7	1	1	-	-
Lane.....	-	-	-	-	-	-	-	-	-
Leavenworth...	103	-	41	45	13	3	1	-	-
Lincoln.....	-	-	-	-	-	-	-	-	-
Linn.....	5	-	2	-	3	-	-	-	-
Logan.....	5	-	3	1	-	1	-	-	-

Table 26 (cont.)
Out-of-Wedlock Births by Age Group of Mother
By County of Residence of Mother
Kansas, 1982

County of Residence	Total	Age Group of Mother							
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-59
Lyon.....	60	-	22	26	7	5	-	-	-
Marion.....	10	-	3	5	1	-	1	-	-
Marshall.....	17	-	8	7	1	-	1	-	-
McPherson.....	26	-	10	12	3	1	-	-	-
Meade.....	5	-	4	1	-	-	-	-	-
Miami.....	24	-	11	9	4	-	-	-	-
Mitchell.....	5	-	2	1	2	-	-	-	-
Montgomery....	127	2	55	42	20	7	1	-	-
Morris.....	9	-	2	4	3	-	-	-	-
Morton.....	6	-	2	3	1	-	-	-	-
Nemaha.....	7	-	1	5	1	-	-	-	-
Neosho.....	31	-	22	7	2	-	-	-	-
Ness.....	3	-	1	-	2	-	-	-	-
Norton.....	8	-	2	5	-	-	1	-	-
Osage.....	11	-	9	1	1	-	-	-	-
Osborne.....	9	-	3	5	1	-	-	-	-
Ottawa.....	5	-	1	2	1	1	-	-	-
Pawnee.....	13	-	4	5	4	-	-	-	-
Phillips.....	5	-	3	1	1	-	-	-	-
Pottawatomie..	13	-	10	2	-	-	1	-	-
Pratt.....	17	-	6	8	1	2	-	-	-
Rawlins.....	2	-	1	1	-	-	-	-	-
Reno.....	115	1	47	44	14	5	4	-	-
Republic.....	7	-	3	3	1	-	-	-	-
Rice.....	22	-	9	12	1	-	-	-	-
Riley.....	75	1	27	35	8	4	-	-	-
Rooks.....	5	-	3	2	-	-	-	-	-
Rush.....	6	-	3	3	-	-	-	-	-
Russell.....	12	-	7	2	2	1	-	-	-
Saline.....	108	-	38	43	19	4	4	-	-
Scott.....	10	-	3	5	2	-	-	-	-
Sedgwick.....	1,187	14	489	450	163	57	8	6	-
Seward.....	61	-	24	22	13	2	-	-	-
Shawnee.....	483	4	195	187	64	24	7	2	-
Sheridan.....	2	-	1	1	-	-	-	-	-
Sherman.....	11	-	3	6	1	1	-	-	-
Smith.....	4	-	2	1	-	-	1	-	-
Stafford.....	3	-	2	1	-	-	-	-	-
Stanton.....	3	-	3	-	-	-	-	-	-
Stevens.....	8	-	5	2	-	1	-	-	-
Sumner.....	39	-	21	14	2	2	-	-	-
Thomas.....	16	-	8	5	3	-	-	-	-
Trego.....	3	-	1	2	-	-	-	-	-
Wabaunsee.....	8	-	3	4	1	-	-	-	-
Wallace.....	2	-	-	2	-	-	-	-	-
Washington....	6	-	3	3	-	-	-	-	-
Wichita.....	11	-	2	6	1	-	2	-	-
Wilson.....	18	-	10	5	2	-	1	-	-
Woodson.....	4	-	2	2	-	-	-	-	-
Wyandotte.....	1,034	10	393	423	139	48	13	8	-

Table 27
Induced Abortions by Age Group of Patient
By County of Residence
Kansas, 1982

County of Residence	Total	Age Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Kansas.....	6,153	45	1,961	2,200	1,091	519	265	62	8	2
Allen.....	24	-	8	5	4	5	1	1	-	-
Anderson.....	14	-	8	3	-	-	3	-	-	-
Atchison.....	40	1	15	13	6	4	1	-	-	-
Barber.....	11	-	5	2	2	1	1	-	-	-
Barton.....	48	-	22	17	7	2	-	-	-	-
Bourbon.....	31	-	12	9	7	2	1	-	-	-
Brown.....	14	-	6	4	1	2	-	1	-	-
Butler.....	49	-	19	17	6	6	-	1	-	-
Chase.....	-	-	-	-	-	-	-	-	-	-
Chautauqua.....	6	1	-	2	2	1	-	-	-	-
Cherokee.....	25	-	11	7	3	2	2	-	-	-
Cheyenne.....	1	-	-	-	1	-	-	-	-	-
Clark.....	1	-	-	1	-	-	-	-	-	-
Clay.....	7	-	4	1	-	1	1	-	-	-
Cloud.....	13	-	6	5	1	1	-	-	-	-
Coffey.....	15	-	7	4	1	1	2	-	-	-
Comanche.....	6	-	4	2	-	-	-	-	-	-
Cowley.....	56	1	25	15	7	1	3	4	-	-
Crawford.....	92	-	29	34	15	7	6	1	-	-
Decatur.....	-	-	-	-	-	-	-	-	-	-
Dickinson.....	18	-	6	8	3	1	-	-	-	-
Doniphan.....	14	-	6	4	3	1	-	-	-	-
Douglas.....	385	2	103	189	48	27	16	-	-	-
Edwards.....	5	-	2	-	1	1	-	1	-	-
Elk.....	4	1	1	1	1	-	-	-	-	-
Ellis.....	45	-	13	18	9	2	2	1	-	-
Ellsworth.....	2	-	2	-	-	-	-	-	-	-
Finney.....	36	1	10	14	6	4	1	-	-	-
Ford.....	42	1	12	17	7	3	2	-	-	-
Franklin.....	49	1	19	19	4	3	1	2	-	-
Geary.....	38	-	14	15	7	2	-	-	-	-
Gove.....	-	-	-	-	-	-	-	-	-	-
Graham.....	3	1	2	-	-	-	-	-	-	-
Grant.....	7	-	4	1	1	-	1	-	-	-
Gray.....	3	-	2	-	-	1	-	-	-	-
Greeley.....	-	-	-	-	-	-	-	-	-	-
Greenwood.....	10	-	4	4	2	-	-	-	-	-
Hamilton.....	3	-	1	1	-	-	1	-	-	-
Harper.....	5	-	1	3	-	1	-	-	-	-
Harvey.....	35	-	12	17	3	3	-	-	-	-
Haskell.....	4	-	2	-	1	1	-	-	-	-
Hodgeman.....	1	1	-	-	-	-	-	-	-	-
Jackson.....	21	-	6	5	4	4	1	1	-	-
Jefferson.....	24	-	4	10	5	5	-	-	-	-
Jewell.....	2	-	2	-	-	-	-	-	-	-
Johnson.....	1,382	4	443	433	253	156	76	14	3	-
Kearny.....	2	-	1	1	-	-	-	-	-	-
Kingman.....	8	-	4	2	1	1	-	-	-	-
Kiowa.....	6	-	4	-	-	-	1	1	-	-
Labette.....	38	-	18	13	3	4	-	-	-	-
Lane.....	3	-	2	-	1	-	-	-	-	-
Leavenworth.....	131	2	46	47	23	8	3	1	-	1
Lincoln.....	2	-	1	-	1	-	-	-	-	-
Linn.....	7	-	3	1	2	1	-	-	-	-
Logan.....	2	-	1	-	-	1	-	-	-	-

Table 27 (cont.)
Induced Abortions by Age Group of Patient
By County of Residence
Kansas, 1982

County of Residence	Total	Age Group of Patient								
		10-14	15-19	20-24	25-29	30-34	35-39	40-44	45 & Over	N.S.
Lyon	114	-	38	52	15	8	-	1	-	-
Marion	8	-	5	2	1	-	-	-	-	-
Marshall	6	-	2	1	2	1	-	-	-	-
McPherson	27	-	8	10	4	4	1	-	-	-
Meade	4	-	1	-	1	-	1	1	-	-
Miami	55	1	21	17	8	5	1	1	1	-
Mitchell	2	-	1	-	1	-	-	-	-	-
Montgomery	71	-	26	16	16	10	3	-	-	-
Morris	7	-	6	1	-	-	-	-	-	-
Morton	3	-	2	1	-	-	-	-	-	-
Nemaha	6	-	1	2	3	-	-	-	-	-
Neosho	27	1	9	6	9	2	-	-	-	-
Ness	4	1	1	-	1	1	-	-	-	-
Norton	6	-	2	2	1	-	1	-	-	-
Osage	26	-	6	9	9	2	-	-	-	-
Osborne	3	-	1	-	2	-	-	-	-	-
Ottawa	3	-	1	2	-	-	-	-	-	-
Pawnee	10	-	3	6	-	1	-	-	-	-
Phillips	8	-	6	-	2	-	-	-	-	-
Pottawatomie	19	1	10	4	1	1	1	1	-	-
Pratt	8	-	4	2	2	-	-	-	-	-
Rawlins	-	-	-	-	-	-	-	-	-	-
Reno	76	-	22	24	19	7	3	1	-	-
Republic	1	-	1	-	-	-	-	-	-	-
Rice	4	1	1	2	-	-	-	-	-	-
Riley	244	-	72	120	33	11	8	-	-	-
Rooks	3	-	1	-	2	-	-	-	-	-
Rush	6	-	1	3	1	-	1	-	-	-
Russell	7	-	3	2	1	-	1	-	-	-
Saline	98	2	32	44	12	5	1	-	1	1
Scott	6	-	2	1	1	1	-	1	-	-
Sedgwick	909	8	242	341	195	71	39	12	1	-
Seward	38	2	14	11	5	3	-	2	1	-
Shawnee	692	3	228	224	137	53	40	7	-	-
Sheridan	-	-	-	-	-	-	-	-	-	-
Sherman	-	-	-	-	-	-	-	-	-	-
Smith	1	-	-	-	-	-	1	-	-	-
Stafford	4	-	3	1	-	-	-	-	-	-
Stanton	-	-	-	-	-	-	-	-	-	-
Stevens	1	-	1	-	-	-	-	-	-	-
Sumner	23	-	9	7	4	3	-	-	-	-
Thomas	2	-	2	-	-	-	-	-	-	-
Trego	2	-	1	1	-	-	-	-	-	-
Wabaunsee	9	1	5	-	2	-	1	-	-	-
Wallace	-	-	-	-	-	-	-	-	-	-
Washington	4	-	1	1	1	-	1	-	-	-
Wichita	-	-	-	-	-	-	-	-	-	-
Wilson	6	-	4	1	-	-	1	-	-	-
Woodson	8	-	5	2	-	-	-	1	-	-
Wyandotte	787	7	219	313	146	63	33	5	1	-
Not Stated	15	-	6	5	2	1	1	-	-	-

Table 28
Perinatal Period III Deaths
By County of Residence
Kansas, 1982

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Kansas.....	570	336	234
Allen.....	5	2	3
Anderson.....	1	-	1
Atchison.....	5	4	1
Barber.....	2	-	2
Barton.....	9	7	2
Bourbon.....	3	2	1
Brown.....	2	-	2
Butler.....	14	7	7
Chase.....	2	2	-
Chautauqua.....	-	-	-
Cherokee.....	2	2	-
Cheyenne.....	1	1	-
Clark.....	-	-	-
Clay.....	3	3	-
Cloud.....	-	-	-
Coffey.....	1	1	-
Comanche.....	-	-	-
Cowley.....	8	4	4
Crawford.....	7	5	2
Decatur.....	-	-	-
Dickinson.....	3	-	3
Doniphan.....	-	-	-
Douglas.....	17	8	9
Edwards.....	1	1	-
Elk.....	-	-	-
Ellis.....	8	2	6
Ellsworth.....	-	-	-
Finney.....	12	10	2
Ford.....	7	4	3
Franklin.....	4	4	-
Geary.....	14	10	4
Gove.....	1	1	-
Graham.....	1	-	1
Grant.....	4	3	1
Gray.....	4	3	1

Table 28 (cont.)
Perinatal Period III Deaths
By County of Residence
Kansas, 1982

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Greeley.....	-	-	-
Greenwood.....	4	3	1
Hamilton.....	-	-	-
Harper.....	2	1	1
Harvey.....	8	6	2
Haskell.....	1	1	-
Hodgeman.....	-	-	-
Jackson.....	2	-	2
Jefferson.....	1	1	-
Jewell.....	1	1	-
Johnson.....	38	18	20
Kearny.....	-	-	-
Kingman.....	-	-	-
Kiowa.....	1	-	1
Labette.....	8	5	3
Lane.....	-	-	-
Leavenworth.....	12	6	6
Lincoln.....	-	-	-
Linn.....	-	-	-
Logan.....	1	-	1
Lyon.....	13	11	2
Marion.....	1	1	-
Marshall.....	5	2	3
McPherson.....	4	2	2
Meade.....	1	-	1
Miami.....	8	5	3
Mitchell.....	2	1	1
Montgomery.....	10	5	5
Morris.....	2	-	2
Morton.....	2	2	-
Nemaha.....	-	-	-
Neosho.....	-	-	-
Ness.....	1	-	1
Norton.....	2	2	-
Osage.....	2	1	1

Table 28 (cont.)
Perinatal Period III Deaths
By County of Residence
Kansas, 1982

County of Residence	Total	Perinatal Period III Deaths	
		Fetal Deaths	Hebdomadal Deaths
Osborne.....	1	1	-
Ottawa.....	1	1	-
Pawnee.....	4	1	3
Phillips.....	1	1	-
Pottawatomie....	5	-	5
Pratt.....	1	1	-
Rawlins.....	-	-	-
Reno.....	16	8	8
Republic.....	-	-	-
Rice.....	8	7	1
Riley.....	13	11	2
Rooks.....	3	3	-
Rush.....	2	2	-
Russell.....	4	1	3
Saline.....	10	9	1
Scott.....	3	3	-
Sedgwick.....	84	47	37
Seward.....	6	5	1
Shawnee.....	46	23	23
Sheridan.....	-	-	-
Sherman.....	1	-	1
Smith.....	2	2	-
Stafford.....	2	1	1
Stanton.....	2	2	-
Stevens.....	-	-	-
Sumner.....	5	2	3
Thomas.....	3	3	-
Trego.....	1	1	-
Wabaunsee.....	1	-	1
Wallace.....	-	-	-
Washington.....	1	-	1
Wichita.....	1	1	-
Wilson.....	1	1	-
Woodson.....	2	1	1
Wyandotte.....	67	38	29

Table 29
Infant Deaths by Component
By County of Residence
Kansas, 1982

County of Residence	Components and Infant Age				
	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
	Under 7 days	7-27 days	Under 28 days	28-364 days	Under 1 year
Kansas	234	39	273	144	417
Allen	3	-	3	1	4
Anderson	1	-	1	1	2
Atchison	1	-	1	-	1
Barber	2	-	2	-	2
Barton	2	1	3	4	7
Bourbon	1	1	2	-	2
Brown	2	1	3	2	5
Butler	7	-	7	2	9
Chase	-	-	-	-	-
Chautauqua	-	-	-	-	-
Cherokee	-	-	-	-	-
Cheyenne	-	-	-	-	-
Clark	-	-	-	-	-
Clay	-	-	-	-	-
Cloud	-	-	-	-	-
Coffey	-	-	-	-	-
Comanche	-	-	-	-	-
Cowley	4	-	4	4	8
Crawford	2	-	2	-	2
Decatur	-	-	-	-	-
Dickinson	3	1	4	2	6
Doniphan	-	-	-	-	-
Douglas	9	-	9	3	12
Edwards	-	-	-	-	-
Elk	-	-	-	-	-
Ellis	6	-	6	1	7
Ellsworth	-	-	-	1	1
Finney	2	1	3	1	4
Ford	3	-	3	3	6
Franklin	-	1	1	3	4
Geary	4	1	5	14	19
Gove	-	-	-	2	2
Graham	1	-	1	-	1
Grant	1	-	1	-	1
Gray	1	-	1	1	2
Greeley	-	-	-	-	-
Greenwood	1	-	1	-	1
Hamilton	-	-	-	-	-
Harper	1	-	1	1	2
Harvey	2	-	2	1	3
Haskell	-	-	-	1	1
Hodgeman	-	-	-	-	-
Jackson	2	1	3	1	4
Jefferson	-	-	-	-	-
Jewell	-	-	-	-	-
Johnson	20	4	24	12	36
Kearny	-	-	-	-	-
Kingman	-	-	-	1	1
Kiowa	1	-	1	1	2
Labette	3	-	3	1	4
Lane	-	-	-	-	-
Leavenworth	6	1	7	2	9
Lincoln	-	-	-	-	-
Linn	-	1	1	-	1
Logan	1	-	1	-	1

Table 29 (cont.)
Infant Deaths by Component
By County of Residence
Kansas, 1982

County of Residence	Components and Infant Age				
	Hebdomadal Deaths	Post-Hebdomadal Deaths	Neonatal Deaths	Post-Neonatal Deaths	Total Infant Deaths
	Under 7 days	7-27 days	Under 28 days	28-364 days	Under 1 year
Lyon	2	1	3	4	7
Marion	-	-	-	-	-
Marshall	3	-	3	1	4
McPherson	2	-	2	-	2
Meade	1	-	1	1	2
Miami	3	1	4	2	6
Mitchell	1	-	1	-	1
Montgomery	5	-	5	4	9
Morris	2	-	2	-	2
Morton	-	-	-	-	-
Nemaha	-	-	-	1	1
Neosho	-	1	1	-	1
Ness	1	-	1	-	1
Norton	-	-	-	-	-
Osage	1	-	1	1	2
Osborne	-	-	-	-	-
Ottawa	-	-	-	1	1
Pawnee	3	-	3	-	3
Phillips	-	-	-	-	-
Pottawatomie	5	-	5	2	7
Pratt	-	-	-	2	2
Rawlins	-	-	-	-	-
Reno	8	-	8	3	11
Republic	-	-	-	-	-
Rice	1	-	1	-	1
Riley	2	-	2	1	3
Rooks	-	-	-	1	1
Rush	-	-	-	-	-
Russell	3	-	3	1	4
Saline	1	-	1	2	3
Scott	-	-	-	-	-
Sedgwick	37	8	45	23	68
Seward	1	-	1	1	2
Shawnee	23	4	27	8	35
Sheridan	-	-	-	-	-
Sherman	1	-	1	-	1
Smith	-	-	-	-	-
Stafford	1	-	1	1	2
Stanton	-	-	-	-	-
Stevens	-	-	-	-	-
Sumner	3	1	4	2	6
Thomas	-	-	-	-	-
Trego	-	-	-	-	-
Wabaunsee	1	-	1	-	1
Wallace	-	-	-	-	-
Washington	1	1	2	-	2
Wichita	-	-	-	-	-
Wilson	-	-	-	-	-
Woodson	1	-	1	-	1
Wyandotte	29	8	37	16	53

Table 30
Deaths by Number and Rate
By County of Residence
Kansas, 1978-1982

County of Residence	Year									
	1978		1979		1980		1981		1982	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas	21,566	9.1	21,062	8.9	21,910	9.3	21,579	9.0	21,700	9.0
Allen	228	14.2	223	13.8	231	14.8	209	13.0	200	12.3
Anderson	109	13.1	126	14.7	99	11.4	131	15.0	131	14.8
Atchison	238	11.6	216	12.2	176	9.6	221	12.3	201	11.2
Barber	84	12.7	74	11.4	88	13.4	106	16.2	101	15.4
Barton	301	7.9	253	7.9	313	10.0	329	10.3	307	9.5
Bourbon	230	13.8	228	14.2	221	13.8	228	14.1	222	13.5
Brown	152	12.0	155	13.2	177	14.8	171	14.2	157	12.9
Butler	334	7.6	391	9.0	413	9.2	400	8.7	412	8.7
Chase	43	12.9	50	14.2	57	17.2	41	12.4	63	19.2
Chautauqua	78	15.4	70	15.1	73	14.6	68	13.7	94	18.4
Cherokee	298	12.5	287	13.3	339	15.2	274	12.4	285	12.8
Cheyenne	30	7.5	50	12.7	51	13.9	40	10.7	39	10.6
Clark	35	12.9	35	12.2	33	12.7	30	11.4	38	14.7
Clay	124	12.4	141	13.9	149	15.2	134	13.4	118	11.7
Cloud	197	14.2	169	13.3	181	14.5	191	15.3	165	13.3
Coffey	131	16.2	125	14.3	114	12.2	119	12.4	116	11.6
Comanche	31	11.5	26	9.4	35	13.7	31	12.2	36	14.4
Cowley	387	11.0	395	11.3	421	11.4	439	11.9	435	11.6
Crawford	489	12.8	473	12.7	510	13.5	500	13.3	480	12.7
Decatur	67	13.7	60	11.8	78	17.3	57	12.3	60	13.1
Dickinson	250	11.0	230	11.0	261	12.9	232	11.4	254	12.5
Doniphan	122	12.5	104	11.5	112	12.1	94	10.2	97	10.5
Douglas	348	5.3	337	5.0	373	5.5	356	5.3	345	5.1
Edwards	55	12.5	47	10.3	62	14.5	46	10.6	63	14.6
Elk	61	15.2	65	16.4	68	17.4	56	13.8	53	12.8
Ellis	177	6.9	156	5.7	168	6.4	170	6.3	179	6.7
Ellsworth	105	14.8	85	13.4	87	13.1	88	13.2	111	16.3
Finney	164	5.7	137	5.6	180	7.6	138	5.6	156	6.3
Ford	188	7.5	200	8.3	215	8.8	204	8.3	188	7.6
Franklin	247	11.5	209	10.0	226	10.4	232	10.6	254	11.5
Geary	208	8.9	197	6.7	208	7.0	171	5.7	206	6.8
Gove	43	11.0	39	9.8	35	9.4	37	9.6	45	11.7
Graham	38	8.5	36	8.5	46	11.5	41	10.1	47	11.8
Grant	45	6.2	31	4.1	42	6.0	46	6.2	53	7.1
Gray	29	5.6	38	7.0	48	9.3	49	9.3	36	6.8
Greeley	17	8.1	18	9.5	15	8.1	24	12.7	15	7.9
Greenwood	158	17.7	127	13.5	128	14.6	117	13.8	135	16.1
Hamilton	30	9.8	29	9.7	30	11.9	36	13.2	28	10.4
Harper	90	11.2	108	13.6	107	13.8	95	11.9	119	14.8
Harvey	269	9.4	268	8.9	279	9.1	284	9.2	271	8.7
Haskell	39	9.5	22	5.2	27	7.1	24	5.8	30	7.2
Hodgeman	23	8.9	20	7.8	32	14.1	34	14.4	33	14.2
Jackson	147	12.7	127	10.3	126	10.8	116	9.8	116	9.7
Jefferson	152	10.8	121	8.2	151	9.9	139	8.8	176	10.8
Jewell	71	12.3	65	11.3	71	13.5	91	17.4	77	14.9
Johnson	1,371	5.4	1,445	5.4	1,460	5.4	1,545	5.5	1,607	5.6
Kearny	28	8.1	24	6.3	28	8.2	20	5.6	27	7.6
Kingman	101	10.4	105	11.7	119	13.3	92	10.1	100	10.9
Kiowa	53	12.7	49	11.8	35	8.7	52	13.3	30	7.7
Labette	317	12.7	309	12.1	282	11.0	306	11.8	268	10.3
Lane	25	9.0	17	6.3	26	10.5	33	13.1	24	9.6
Leavenworth	446	8.5	391	7.1	421	7.7	438	8.0	452	8.2
Lincoln	79	17.1	44	9.7	68	16.4	63	15.2	57	14.0
Linn	134	15.7	109	12.3	103	12.5	122	14.6	99	11.8
Logan	32	8.8	31	8.4	55	15.8	43	12.0	36	10.1

Table 30 (cont.)
Deaths by Number and Rate
By County of Residence
Kansas, 1978-1982

County of Residence	Year									
	1978		1979		1980		1981		1982	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	290	8.0	285	8.3	327	9.3	284	8.0	310	8.7
Marion	161	9.9	149	11.2	175	12.9	158	11.7	168	12.5
Marshall	205	15.3	203	14.8	179	14.1	180	14.3	193	15.5
McPherson	263	10.1	244	9.3	288	10.7	273	10.1	257	9.3
Meade	53	10.6	42	8.1	41	8.6	58	12.0	69	14.4
Miami	217	9.9	214	9.6	214	9.9	226	10.4	213	9.8
Mitchell	113	13.9	110	13.5	99	12.2	111	13.5	118	14.1
Montgomery	579	13.2	526	13.0	544	12.9	516	12.2	487	11.3
Morris	103	15.2	98	14.1	107	16.7	99	15.4	77	12.0
Morton	21	6.1	26	7.1	26	7.5	21	5.9	26	7.4
Nemaha	136	11.3	114	10.0	119	10.6	134	12.1	118	10.7
Neosho	250	13.7	225	12.0	232	12.2	223	11.7	244	12.8
Ness	45	9.6	45	9.5	63	14.0	58	13.0	66	15.0
Norton	95	13.1	90	13.6	89	13.3	92	14.0	93	14.3
Osage	180	12.6	175	11.9	206	13.4	163	10.6	167	10.6
Osborne	97	15.5	91	14.3	89	14.9	86	14.8	86	14.9
Ottawa	81	12.8	75	11.7	78	13.1	76	12.5	78	12.9
Pawnee	93	11.9	115	13.5	73	9.1	96	12.1	94	12.0
Phillips	87	10.9	108	13.8	87	11.9	90	12.0	91	12.2
Pottawatomie	146	10.2	151	10.6	149	10.1	125	8.2	121	7.7
Pratt	134	13.7	127	12.4	115	11.2	129	12.3	104	9.8
Rawlins	37	8.9	36	8.4	51	12.4	51	12.9	44	11.3
Reno	612	9.3	611	9.5	595	9.2	554	8.5	669	10.1
Republic	123	15.1	121	16.1	118	15.6	127	16.9	136	18.3
Rice	122	10.2	140	11.3	161	13.5	146	12.5	146	12.6
Riley	276	6.6	254	3.8	255	4.0	246	3.8	235	3.6
Rooks	81	10.9	93	12.7	90	12.8	82	12.4	105	16.2
Rush	71	14.3	71	14.6	66	14.6	62	13.8	55	12.4
Russell	114	12.1	109	12.0	118	13.3	111	13.2	121	14.6
Saline	407	8.6	400	7.9	404	8.3	410	8.1	424	8.2
Scott	35	5.3	39	6.3	36	6.2	45	7.5	62	10.3
Sedgwick	2,726	8.0	2,757	7.8	2,717	7.4	2,820	7.7	2,764	7.5
Seward	108	6.2	133	7.7	127	7.4	115	6.6	125	7.1
Shawnee	1,344	7.5	1,254	7.9	1,380	8.9	1,300	8.2	1,321	8.3
Sheridan	34	8.8	34	8.5	26	7.3	45	12.1	37	10.0
Sherman	67	8.2	63	7.7	75	9.7	82	10.5	60	7.7
Smith	90	14.0	85	13.2	87	14.6	102	16.9	77	12.9
Stafford	83	13.4	75	11.7	77	13.9	83	14.8	83	15.0
Stanton	9	3.6	17	6.2	9	3.8	17	6.7	24	9.4
Stevens	31	6.6	36	7.2	42	8.9	35	7.0	41	8.0
Sumner	284	11.7	312	12.8	322	12.9	288	11.4	314	12.3
Thomas	63	7.7	74	8.5	59	7.0	60	7.0	76	8.8
Trego	49	11.1	56	12.4	56	13.4	39	9.5	34	8.4
Wabaunsee	80	11.8	63	8.9	69	10.0	98	14.3	92	13.4
Wallace	16	7.2	19	8.9	19	9.3	24	11.7	18	8.9
Washington	122	13.5	134	14.8	120	14.0	108	12.8	106	12.7
Wichita	22	6.5	21	6.3	24	7.9	34	11.0	25	8.4
Wilson	162	12.3	177	14.7	159	13.1	159	12.8	147	11.5
Woodson	80	17.0	79	19.0	60	13.0	73	16.5	67	15.0
Wyandotte	1,721	9.5	1,699	10.0	1,835	10.6	1,712	9.8	1,665	9.6

Table 31
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1982

County of Residence	Total	Age Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Average Age at Death
Kansas.....	21,700	417	110	75	388	425	500	1,038	2,569	4,626	6,210	5,342	71.2
Allen.....	200	4	-	-	5	2	4	15	23	35	60	52	71.6
Anderson.....	131	2	-	-	2	1	1	1	16	29	42	37	74.4
Atchison.....	201	1	-	-	1	1	2	8	23	40	66	59	75.6
Barber.....	101	2	1	1	-	2	4	3	9	26	32	21	70.9
Barton.....	307	7	6	1	11	8	7	15	41	62	89	60	67.4
Bourbon.....	222	2	1	1	3	4	4	7	16	50	68	66	73.9
Brown.....	157	5	-	-	1	5	4	1	14	28	49	50	74.5
Butler.....	412	9	1	-	6	13	12	18	49	84	112	108	71.2
Chase.....	63	-	-	-	1	-	-	1	4	14	22	21	78.4
Chautauqua.....	94	-	-	-	1	1	2	-	7	21	33	29	77.5
Cherokee.....	285	-	1	-	3	2	6	10	37	66	96	64	74.0
Cheyenne.....	39	-	1	-	-	2	-	5	5	10	6	10	68.8
Clark.....	38	-	-	-	-	-	1	-	3	4	14	16	80.8
Clay.....	118	-	1	-	2	-	-	3	3	22	35	52	79.7
Cloud.....	165	-	-	-	-	2	4	5	16	29	48	61	77.4
Coffey.....	116	-	1	-	1	2	1	1	13	21	37	39	76.5
Comanche.....	36	-	-	-	1	-	1	4	3	6	10	11	73.4
Cowley.....	435	8	-	2	3	5	7	16	53	97	123	121	73.4
Crawford.....	480	2	2	1	4	4	9	16	56	111	163	112	73.8
Decatur.....	60	-	-	2	-	-	-	3	2	10	20	23	78.5
Dickinson.....	254	6	-	-	4	2	6	5	29	44	80	78	74.6
Doniphan.....	97	-	-	-	1	-	2	3	10	30	29	22	74.1
Douglas.....	345	12	2	1	4	7	7	13	35	64	112	88	71.4
Edwards.....	63	-	-	-	1	1	-	2	8	13	21	17	75.4
Elk.....	53	-	-	-	-	-	-	2	2	11	17	21	80.2
Ellis.....	179	7	-	1	5	4	3	7	21	47	48	36	68.8
Ellsworth.....	111	1	-	-	1	-	3	3	9	24	44	26	75.2
Finney.....	156	4	1	1	9	3	7	10	24	33	31	33	65.4
Ford.....	188	6	2	-	3	8	4	12	15	35	53	50	69.9
Franklin.....	254	4	2	-	3	2	7	8	13	61	78	76	75.0
Geary.....	206	19	3	5	13	12	8	10	19	42	38	37	57.8
Gove.....	45	2	-	-	-	1	-	2	1	17	13	9	71.7
Graham.....	47	1	-	-	2	-	2	2	3	4	22	11	73.3
Grant.....	53	1	1	-	2	1	2	3	7	11	18	7	67.5
Gray.....	36	2	-	-	1	-	3	2	5	6	8	9	67.2

Table 31 (cont.)
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1982

County of Residence	Total	Age Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Average Age at Death
Greeley	15	-	-	-	-	-	-	-	3	4	6	2	74.7
Greenwood	135	1	1	1	1	1	2	2	13	23	51	39	75.2
Hamilton	28	-	-	-	-	-	-	1	5	8	8	6	74.3
Harper	119	2	-	1	-	2	1	4	8	34	38	29	74.3
Harvey	271	3	2	2	4	6	3	10	35	42	71	93	73.9
Haskell	30	1	-	-	1	2	1	1	3	6	12	3	66.5
Hodgeman	33	-	-	-	-	-	4	2	1	5	7	14	75.5
Jackson	116	4	-	1	1	3	1	5	17	24	21	39	71.3
Jefferson	176	-	-	1	5	2	3	7	15	40	44	59	75.0
Jewell	77	-	-	-	-	1	-	2	7	16	25	26	78.0
Johnson	1,607	36	8	6	33	37	60	110	236	368	414	299	68.0
Kearny	27	-	-	1	1	1	1	-	2	9	6	6	69.3
Kingman	100	1	-	-	1	5	1	6	8	24	31	23	71.7
Kiowa	30	2	-	-	-	-	-	2	1	7	6	12	74.5
Labette	268	4	1	2	4	2	4	18	25	60	81	67	72.6
Lane	24	-	-	-	1	-	1	1	1	8	9	3	70.3
Leavenworth	452	9	3	-	6	11	12	21	56	113	140	81	70.0
Lincoln	57	-	-	-	-	1	-	3	4	11	20	18	76.9
Linn	99	1	-	-	1	2	3	4	13	23	26	26	73.0
Logan	36	1	-	-	-	-	-	1	4	7	12	11	76.4
Lyon	310	7	2	-	7	8	2	10	42	58	79	95	72.0
Marion	168	-	2	-	1	2	1	7	14	25	53	63	76.6
Marshall	193	4	1	2	1	3	1	9	19	36	66	51	73.1
McPherson	257	2	1	-	4	4	3	7	18	54	75	89	76.1
Meade	69	2	-	-	5	1	1	3	10	11	14	22	69.7
Miami	213	6	-	-	3	3	3	16	25	34	68	55	71.6
Mitchell	118	1	-	-	1	-	1	3	11	33	35	33	76.3
Montgomery	487	9	3	3	13	7	9	24	59	88	156	116	71.0
Morris	77	2	-	-	1	-	-	1	5	12	30	26	77.1
Morton	26	-	-	-	1	-	-	4	4	2	5	10	72.5
Nemaha	118	1	-	-	-	1	1	6	11	21	36	41	76.9
Neosho	244	1	1	-	1	2	5	11	20	53	77	73	75.7
Ness	66	1	-	-	2	3	1	-	10	10	20	19	73.0
Norton	93	-	-	-	-	1	1	5	8	11	32	35	77.4
Osage	167	2	2	-	2	3	2	9	12	42	40	53	73.7

Table 31 (cont.)
Deaths by Age Group and Average Age at Death
By County of Residence
Kansas, 1982

County of Residence	Total	Age Group											
		Under 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75-84	85 & Over	Average Age at Death
Osborne.....	86	-	-	-	1	1	-	3	8	17	28	28	77.4
Ottawa.....	78	1	-	1	-	1	-	3	4	20	25	23	75.4
Pawnee.....	94	3	2	-	-	2	2	3	13	17	31	21	70.9
Phillips.....	91	-	-	1	1	1	1	3	9	17	23	35	76.9
Pottawatomie.....	121	7	1	-	2	3	2	6	10	19	41	30	69.7
Pratt.....	104	2	-	-	3	3	2	3	14	17	32	28	72.0
Rawlins.....	44	-	-	-	-	1	-	1	4	7	13	18	78.5
Reno.....	669	11	-	3	14	12	13	31	68	168	177	172	71.2
Republic.....	136	-	1	-	-	-	1	3	14	26	47	44	77.9
Rice.....	146	1	1	-	3	2	3	6	13	29	36	52	74.4
Riley.....	235	3	1	1	5	5	6	12	19	43	83	57	72.4
Rooks.....	105	1	-	-	3	1	-	1	10	28	36	25	74.5
Rush.....	55	-	-	-	1	-	1	2	6	12	17	16	75.6
Russell.....	121	4	1	-	2	1	3	4	7	34	37	28	71.9
Saline.....	424	3	-	1	10	9	11	15	57	94	115	109	72.1
Scott.....	62	-	-	-	3	2	3	1	11	12	16	14	69.8
Sedgwick.....	2,764	68	19	10	65	79	112	184	403	602	697	525	67.4
Seward.....	125	2	2	-	5	3	5	8	21	35	28	16	65.1
Shawnee.....	1,321	35	7	7	15	26	30	73	180	268	398	282	70.1
Sheridan.....	37	-	-	-	-	-	-	2	4	9	7	15	77.2
Sherman.....	60	1	-	1	1	2	-	2	12	11	18	12	70.0
Smith.....	77	-	-	-	-	-	-	2	1	11	25	38	83.2
Stafford.....	83	2	-	-	2	2	1	4	6	21	23	22	72.1
Stanton.....	24	-	-	-	1	1	-	-	5	5	6	6	71.6
Stevens.....	41	-	1	-	1	1	1	-	7	16	9	5	67.9
Sumner.....	314	6	2	2	6	6	3	16	29	55	93	96	72.6
Thomas.....	76	-	1	1	1	1	-	3	8	17	25	19	72.9
Trego.....	34	-	-	-	-	1	-	-	3	9	16	5	75.9
Wabaunsee.....	92	1	1	-	5	1	-	3	12	13	24	32	72.6
Wallace.....	18	-	-	-	-	-	1	-	4	4	5	4	72.8
Washington.....	106	2	1	-	2	1	3	3	12	20	33	29	72.6
Wichita.....	25	-	-	-	-	-	1	-	6	5	7	6	73.7
Wilson.....	147	-	-	-	1	2	1	9	16	33	47	38	74.9
Woodson.....	67	1	-	1	2	1	-	-	7	13	17	25	75.2
Wyandotte.....	1,665	53	16	10	38	45	43	101	247	390	424	298	66.9

Table 32
Twenty Leading Causes of Death
By County of Residence
Kansas, 1982

County of Residence	Cause of Death																		
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Chronic Obstructive Pulmonary Diseases	Pneumonia and Influenza	Diabetes Mellitus	Atherosclerosis	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Aortic Aneurysm	Certain Conditions Originating in the Perinatal Period	Chronic Liver Disease and Cirrhosis	Congenital Anomalies	Homicide and Legal Intervention	Septicemia	Gastrointestinal Hemorrhage	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Hypertension	Vascular Insufficiency of Intestine
Kansas.....	8,259	4,416	1,941	1,025	777	598	406	387	272	251	205	203	187	148	145	121	94	80	77	73
Allen.....	84	27	19	8	6	8	8	3	3	5	2	2	2	1	4	1	1	1	-	2
Anderson.....	51	36	6	6	4	3	6	1	2	3	1	-	1	1	-	-	-	-	-	-
Atchison.....	101	32	29	6	1	4	2	4	-	-	1	1	-	-	-	2	2	1	-	1
Barber.....	30	20	10	7	3	1	3	2	1	3	2	1	1	1	-	3	-	2	-	1
Barton.....	122	67	23	24	6	8	6	3	5	1	3	1	1	4	6	1	-	3	1	2
Bourbon.....	98	26	29	12	8	2	2	7	5	4	3	1	1	1	-	3	1	2	-	2
Brown.....	71	24	12	9	3	2	-	11	1	3	2	3	1	1	-	-	1	1	-	1
Butler.....	166	78	45	16	16	5	7	9	5	2	4	6	3	1	3	2	-	4	1	1
Chase.....	21	8	12	2	2	-	3	8	-	-	1	-	1	-	-	1	-	-	-	-
Chautauqua.....	41	16	10	4	1	2	1	1	3	1	2	-	-	-	-	2	-	-	-	2
Cherokee.....	112	56	28	7	12	5	6	10	2	6	5	-	1	-	-	1	2	2	1	-
Cheyenne.....	13	7	1	2	2	1	2	4	2	-	-	-	1	-	1	-	-	-	-	-
Clark.....	13	7	2	1	1	1	2	2	-	1	-	-	-	-	-	-	3	1	-	-
Clay.....	58	15	7	4	5	5	5	3	-	-	-	-	1	-	-	-	1	1	-	-
Cloud.....	75	28	14	3	6	3	5	7	1	3	1	-	2	-	-	-	2	2	-	-
Coffey.....	58	20	10	3	4	3	1	1	-	4	1	1	1	-	-	-	-	-	-	-
Comanche.....	14	6	3	1	2	1	1	3	1	2	-	-	4	-	-	-	1	2	3	1
Cowley.....	150	82	47	17	15	8	9	7	2	10	3	2	6	2	3	1	2	-	1	3
Crawford.....	197	111	48	16	26	11	8	3	4	5	2	-	-	-	-	-	-	1	-	-
Decatur.....	22	7	7	3	5	3	5	1	-	1	2	-	-	-	-	-	-	-	-	-
Dickinson.....	109	60	17	6	11	7	9	7	1	1	3	4	1	1	-	1	-	-	1	-
Doniphan.....	46	19	12	3	1	-	1	1	1	-	1	-	1	-	-	-	-	-	-	-
Douglas.....	111	73	41	16	9	13	4	5	3	1	2	7	6	1	3	3	1	1	1	-
Edwards.....	34	8	3	5	-	1	3	2	-	-	1	-	-	-	-	-	-	-	-	-
Elk.....	22	7	7	3	1	-	-	6	-	1	-	-	1	-	-	-	1	-	-	-
Ellis.....	52	47	14	8	13	6	5	1	4	-	-	5	1	2	-	-	1	4	-	-
Ellsworth.....	40	24	8	4	4	4	7	4	-	7	-	-	-	-	-	-	3	-	-	-
Finney.....	58	31	16	13	3	5	2	1	3	1	2	1	1	1	3	1	-	1	1	1
Ford.....	75	34	12	8	4	4	4	2	4	6	2	3	6	4	1	1	3	1	1	1
Franklin.....	92	49	23	16	7	15	5	6	1	2	5	-	2	1	-	2	4	1	1	1

Table 32 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1982

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Chronic Obstructive Pulmonary Diseases	Pneumonia and Influenza	Diabetes Mellitus	Atherosclerosis	Suicide	Nephritis, Nephrotic Syndrome and Nephritis	Aortic Aneurysm	Certain Conditions Originating in the Perinatal Period	Chronic Liver Disease and Cirrhosis	Congenital Anomalies	Homicide and Legal Intervention	Septicemia	Gastrointestinal Hemorrhage	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Hypertension	Vascular Insufficiency of Intestine
Geary	75	32	14	26	5	4	3	2	3	1	3	4	2	2	5	2	2	-	-	-
Gove	18	10	1	-	6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-
Graham	16	8	4	2	2	2	3	-	-	-	-	-	-	1	-	-	-	-	-	-
Grant	20	11	7	5	-	-	-	1	2	1	-	-	1	1	-	-	-	-	-	-
Gray	14	7	3	2	-	4	2	-	-	-	-	1	-	-	-	-	-	-	-	-
Greeley	9	2	-	1	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Greenwood	64	29	13	4	1	5	3	1	-	1	3	1	-	-	-	-	-	-	-	-
Hamilton	12	8	2	1	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-
Harper	46	26	11	3	8	4	1	3	1	1	-	1	-	-	-	-	-	-	-	1
Harvey	125	48	19	12	6	8	4	4	5	1	1	2	4	1	2	3	-	1	1	1
Haskell	12	2	2	3	5	2	1	-	-	-	-	-	1	-	-	-	1	-	-	-
Hodgeman	16	5	4	3	2	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-
Jackson	33	24	13	7	3	2	5	9	1	1	-	2	1	1	-	1	2	-	-	-
Jefferson	67	28	18	12	5	4	5	9	2	5	1	-	1	-	-	1	1	-	-	1
Jewell	27	16	9	3	6	1	-	2	-	2	1	-	-	-	1	1	1	-	-	-
Johnson	589	368	123	77	62	47	23	13	35	14	14	13	17	16	7	10	6	6	10	4
Kearny	7	10	4	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Kingman	38	18	10	7	2	4	3	1	1	-	1	-	2	2	-	2	1	-	1	-
Kiowa	8	7	2	2	-	1	2	2	-	-	-	1	-	-	-	-	-	-	-	-
Labette	123	46	19	12	9	11	1	5	4	3	2	2	-	2	1	2	1	-	-	1
Lane	12	5	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Leavenworth	174	90	38	16	20	12	18	6	10	4	4	7	3	1	3	2	2	1	1	1
Lincoln	31	11	6	3	1	-	-	1	1	-	-	-	-	-	-	-	1	1	-	1
Linn	48	21	2	6	3	2	1	3	-	2	-	-	-	-	1	1	-	1	-	-
Logan	11	5	2	1	4	-	4	1	1	1	-	-	-	1	-	-	1	-	-	-
Lyon	116	69	33	15	13	5	2	5	3	2	3	1	4	3	-	2	2	-	1	-
Marion	79	30	17	6	2	5	2	1	3	3	1	-	1	1	-	2	2	1	-	-
Marshall	88	38	13	5	3	5	4	4	1	7	1	2	-	1	-	-	3	-	2	-
McPherson	101	46	32	7	4	8	5	4	3	-	7	2	-	-	-	2	-	2	-	3
Meade	24	16	5	7	2	1	3	1	-	1	1	1	1	1	-	-	-	-	-	-

Table 32 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1982

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Chronic Obstructive Pulmonary Diseases	Pneumonia and Influenza	Diabetes Mellitus	Atherosclerosis	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Aortic Aneurysm	Certain Conditions Originating in the Perinatal Period	Chronic Liver Disease and Cirrhosis	Congenital Anomalies	Homicide and Legal Intervention	Septicemia	Gastrointestinal Hemorrhage	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Hypertension	Vascular Insufficiency of Intestine
Miami	86	39	14	5	8	11	2	4	4	2	2	4	3	2	-	1	-	1	-	-
Mitchell	45	24	9	1	6	6	1	10	1	-	1	1	-	-	-	-	-	-	-	-
Montgomery	196	83	54	30	11	19	6	4	3	4	5	2	2	6	5	3	1	2	3	1
Morris	30	15	8	4	2	2	2	1	-	-	1	1	-	1	-	-	-	-	1	2
Morton	7	4	2	5	1	1	1	-	-	-	-	-	1	-	-	-	1	-	-	-
Nemaha	48	18	17	6	3	5	1	2	1	1	1	-	-	1	-	-	1	-	1	-
Neosho	108	39	23	12	9	10	4	4	-	3	1	-	-	1	-	1	2	3	1	2
Ness	15	13	7	8	4	-	3	-	1	2	-	-	-	1	-	-	-	-	1	2
Norton	37	16	10	5	8	4	2	2	1	-	-	-	-	-	-	-	-	-	-	-
Osage	50	35	24	6	9	3	3	17	1	-	2	1	3	-	-	-	-	-	-	-
Osborne	29	18	8	4	2	6	2	2	-	-	1	-	-	-	-	1	-	-	-	-
Ottawa	35	13	4	5	2	1	2	-	-	-	4	-	1	1	-	-	-	-	1	-
Pawnee	45	8	7	2	4	2	5	3	4	-	1	2	1	2	-	-	1	-	-	-
Phillips	38	25	6	3	1	6	1	-	-	3	2	-	-	1	-	2	-	-	-	-
Pottawatomie	43	20	14	12	4	5	2	4	-	2	-	4	2	1	-	-	-	-	-	1
Pratt	31	18	5	6	5	5	3	5	4	1	2	-	1	1	-	-	-	-	1	1
Rawlins	18	9	1	1	1	3	2	1	1	2	-	-	1	-	-	-	-	-	-	-
Reno	267	143	58	24	21	13	13	12	5	4	12	5	9	7	1	3	-	4	3	6
Republic	57	27	12	6	6	6	1	6	1	1	1	-	-	-	-	1	-	1	-	1
Rice	50	30	18	4	1	7	3	4	1	4	2	1	1	-	-	-	-	-	-	-
Riley	85	49	21	11	9	15	-	6	3	3	3	2	2	1	3	2	1	1	2	-
Rooks	38	24	5	3	6	10	1	-	1	1	4	-	-	1	-	3	-	-	-	-
Rush	21	13	5	1	2	1	-	1	1	-	-	-	1	-	-	-	-	2	-	-
Russell	48	20	11	8	8	1	4	2	1	3	2	2	1	1	-	-	-	1	-	-
Saline	164	90	57	17	17	8	4	6	3	6	2	-	3	3	3	3	1	-	3	2
Scott	21	9	4	6	3	3	5	2	-	-	1	-	-	-	-	-	-	-	-	-
Sedgwick	941	638	248	144	90	61	47	32	46	32	25	33	38	31	39	25	12	7	12	9
Seward	45	27	12	7	7	1	-	3	1	-	-	-	4	2	4	1	-	-	1	-
Shawnee	488	311	117	59	49	33	19	10	20	12	15	21	9	10	6	5	2	4	6	4
Sheridan	14	9	2	1	1	4	1	-	-	1	-	-	1	-	-	-	-	-	-	-

Table 32 (cont.)
Twenty Leading Causes of Death
By County of Residence
Kansas, 1982

County of Residence	Cause of Death																			
	Heart Disease	Malignant Neoplasms	Cerebrovascular Disease	Accidents	Chronic Obstructive Pulmonary Diseases	Pneumonia and Influenza	Diabetes Mellitus	Atherosclerosis	Suicide	Nephritis, Nephrotic Syndrome and Nephrosis	Aortic Aneurysm	Certain Conditions Originating in the Perinatal Period	Chronic Liver Disease and Cirrhosis	Congenital Anomalies	Homicide and Legal Intervention	Septicemia	Gastrointestinal Hemorrhage	Specific Nonpsychotic Mental Disorder Following Organic Brain Damage	Hypertension	Vascular Insufficiency of Intestine
Sherman	23	6	4	5	3	2	-	-	-	2	2	1	-	1	2	-	1	1	-	1
Smith	36	14	9	1	2	1	-	2	-	-	1	-	1	-	-	2	-	1	2	-
Stafford	41	12	9	4	2	1	-	2	2	1	-	1	1	-	-	-	1	-	-	-
Stanton	6	6	2	2	-	-	1	2	-	1	1	-	1	-	-	-	-	-	-	-
Stevens	20	8	2	4	-	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
Sumner	118	68	27	11	9	1	2	6	5	5	3	2	-	4	4	2	1	1	-	1
Thomas	25	18	9	6	5	1	-	4	-	-	-	-	-	-	1	1	-	1	-	1
Trego	15	3	2	2	-	-	2	1	2	2	1	-	2	-	1	-	-	-	1	-
Wabaunsee	25	17	10	8	6	3	3	1	1	1	2	-	-	1	1	-	-	-	1	-
Wallace	3	4	1	2	1	3	1	1	-	1	-	-	-	-	-	-	-	-	-	-
Washington	39	17	4	9	3	11	7	3	-	-	-	2	1	-	-	1	-	1	-	-
Wichita	15	2	1	-	2	-	1	-	-	1	-	-	1	-	-	-	-	-	-	-
Wilson	60	33	9	8	9	8	2	1	1	3	1	-	-	-	-	-	1	1	-	-
Woodson	25	10	4	5	5	1	1	4	1	1	-	1	-	-	-	-	-	-	-	-
Wyandotte	569	350	120	67	73	41	25	12	26	17	9	35	12	9	29	7	13	3	8	3

Table 33
Marriages by Number and Rate
By County of Marriage
Kansas, 1978-1982

County of Marriage	Year									
	1978		1979		1980		1981		1982	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas.....	23,975	10.2	24,774	10.5	24,847	10.5	26,137	10.9	26,670	11.1
Allen.....	152	9.5	164	10.2	164	10.5	178	11.1	133	8.2
Anderson.....	103	12.4	86	10.0	82	9.4	98	11.2	87	9.9
Atchison.....	153	7.4	174	9.8	183	9.9	173	9.6	188	10.5
Barber.....	65	9.8	71	10.9	83	12.7	65	9.9	70	10.7
Barton.....	376	9.9	337	10.6	426	13.6	422	13.2	429	13.3
Bourbon.....	157	9.5	170	10.6	174	10.9	164	10.1	189	11.5
Brown.....	118	9.3	99	8.5	109	9.1	122	10.1	122	10.0
Butler.....	427	9.7	434	9.9	343	7.7	423	9.2	435	9.2
Chase.....	26	7.8	37	10.5	35	10.6	33	10.0	34	10.3
Chautauqua.....	52	10.3	61	13.1	49	9.8	73	14.7	68	13.3
Cherokee.....	164	6.9	176	8.1	183	8.2	189	8.5	167	7.5
Cheyenne.....	46	11.6	34	8.7	35	9.5	38	10.2	47	12.8
Clark.....	23	8.5	29	10.1	16	6.2	25	9.5	26	10.0
Clay.....	111	11.1	112	11.1	85	8.7	111	11.1	89	8.9
Cloud.....	119	8.6	135	10.6	108	8.6	107	8.5	133	10.7
Coffey.....	88	10.9	84	9.6	87	9.3	92	9.6	100	10.0
Comanche.....	23	8.6	22	8.0	19	7.4	26	10.2	23	9.2
Cowley.....	360	10.2	381	10.9	410	11.1	436	11.9	458	12.3
Crawford.....	305	8.0	321	8.6	304	8.0	340	9.0	321	8.5
Decatur.....	70	14.3	50	9.9	62	13.8	78	16.9	69	15.1
Dickinson.....	242	10.7	261	12.4	187	9.3	201	9.9	236	11.6
Doniphan.....	115	11.8	111	12.3	68	7.3	102	11.1	99	10.7
Douglas.....	576	8.7	657	9.7	745	11.0	658	9.7	709	10.4
Edwards.....	38	8.7	50	11.0	39	9.1	33	7.6	45	10.4
Elk.....	31	7.7	30	7.6	34	8.7	32	7.9	46	11.1
Ellis.....	278	10.9	275	10.1	377	14.4	314	11.7	317	11.8
Ellsworth.....	74	10.4	70	11.1	44	6.6	73	10.9	61	8.9
Finney.....	255	8.9	271	11.0	297	12.5	315	12.9	387	15.6
Ford.....	274	11.0	280	11.6	326	13.4	324	13.2	365	14.8
Franklin.....	222	10.4	215	10.3	242	11.1	239	11.0	205	9.3
Geary.....	567	24.4	629	21.4	651	21.8	781	25.9	826	27.3
Gove.....	30	7.6	37	9.3	18	4.8	38	9.9	35	9.1
Graham.....	43	9.6	36	8.5	53	13.3	50	12.3	51	12.8
Grant.....	84	11.6	79	10.4	83	11.9	68	9.2	77	10.3
Gray.....	40	7.7	57	10.5	43	8.4	60	11.4	57	10.7
Greeley.....	23	11.0	24	12.7	28	15.2	21	11.1	21	11.0
Greenwood.....	76	8.5	90	9.6	74	8.4	95	11.2	98	11.7
Hamilton.....	24	7.8	43	14.4	23	9.1	36	13.2	21	7.8
Harper.....	70	8.7	59	7.4	104	13.4	89	11.2	74	9.2
Harvey.....	327	11.4	330	11.0	421	13.8	304	9.9	360	11.5
Haskell.....	33	8.0	33	7.8	38	10.0	49	11.8	38	9.2
Hodgeman.....	24	9.3	20	7.8	27	11.9	10	4.2	15	6.5
Jackson.....	73	6.3	97	7.9	84	7.2	83	7.0	84	7.0
Jefferson.....	148	10.5	144	9.8	87	5.7	164	10.4	147	9.0
Jewell.....	56	9.7	55	9.6	49	9.3	44	8.4	50	9.7
Johnson.....	2,187	8.5	2,364	8.8	2,301	8.5	2,472	8.9	2,576	9.0
Kearny.....	38	11.0	49	12.9	43	12.5	59	16.6	38	10.6
Kingman.....	99	10.1	91	10.1	96	10.7	96	10.6	87	9.5
Kiowa.....	33	7.9	40	9.6	42	10.4	46	11.7	57	14.6
Labette.....	196	7.8	198	7.8	172	6.7	180	7.0	188	7.2
Lane.....	24	8.6	17	6.3	23	9.3	24	9.5	24	9.6
Leavenworth.....	459	8.8	448	8.1	477	8.7	564	10.3	521	9.5
Lincoln.....	28	6.0	38	8.3	46	11.1	31	7.5	28	6.9
Linn.....	79	9.3	72	8.1	45	5.5	67	8.0	66	7.9
Logan.....	52	14.2	42	11.4	49	14.1	41	11.4	48	13.5

Table 33 (cont.)
Marriages by Number and Rate
By County of Marriage
Kansas, 1978-1982

County of Marriage	Year									
	1978		1979		1980		1981		1982	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	360	9.9	384	11.1	477	13.6	431	12.2	425	11.9
Marion	128	7.9	133	10.0	97	7.2	128	9.5	134	10.0
Marshall	127	9.5	142	10.4	125	9.8	133	10.6	126	10.1
McPherson	273	10.5	251	9.6	261	9.7	255	9.4	259	9.4
Meade	35	7.0	51	9.8	41	8.6	59	12.2	57	11.9
Miami	185	8.4	198	8.9	204	9.4	215	9.9	230	10.6
Mitchell	74	9.1	66	8.1	80	9.9	67	8.1	75	9.0
Montgomery	408	9.3	380	9.4	424	10.0	420	9.9	488	11.3
Morris	86	12.7	81	11.7	55	8.6	90	14.0	58	9.1
Morton	43	12.4	44	12.1	32	9.3	39	11.0	39	11.1
Nemaha	107	8.9	101	8.8	102	9.1	104	9.4	121	11.0
Neosho	144	7.9	154	8.2	189	10.0	199	10.5	189	9.9
Ness	52	11.1	39	8.2	39	8.7	38	8.5	56	12.7
Norton	74	10.2	84	12.7	57	8.5	63	9.6	85	13.0
Osage	138	9.7	163	11.1	127	8.3	159	10.3	171	10.9
Osborne	51	8.2	42	6.6	50	8.4	49	8.4	43	7.5
Ottawa	55	8.7	44	6.9	60	10.0	70	11.5	61	10.1
Pawnee	81	10.4	94	11.1	72	8.9	112	14.1	101	12.9
Phillips	81	10.1	93	11.9	77	10.4	77	10.3	78	10.5
Pottawatomie	110	7.7	115	8.1	95	6.4	141	9.2	142	9.0
Pratt	84	8.6	99	9.7	103	10.0	111	10.6	100	9.4
Rawlins	36	8.6	47	11.0	24	5.8	31	7.9	39	10.0
Reno	747	11.4	763	11.9	710	10.9	784	12.0	776	11.7
Republic	89	10.9	87	11.6	76	10.0	89	11.9	72	9.7
Rice	119	10.0	122	9.9	99	8.3	124	10.6	129	11.1
Riley	515	12.3	484	7.2	628	9.9	540	8.2	534	8.1
Rooks	86	11.6	73	10.0	61	8.7	83	12.6	80	12.4
Rush	37	7.5	35	7.2	27	6.0	41	9.1	32	7.2
Russell	90	9.6	113	12.4	100	11.3	89	10.5	101	12.1
Saline	552	11.7	556	10.9	604	12.4	627	12.3	618	12.0
Scott	81	12.2	66	10.6	50	8.6	80	13.3	65	10.8
Sedgwick	4,261	12.5	4,514	12.8	4,646	12.7	4,811	13.2	4,870	13.2
Seward	186	10.7	190	11.0	207	12.1	256	14.7	260	14.7
Shawnee	1,649	9.2	1,651	10.4	1,696	10.9	1,656	10.4	1,680	10.6
Sheridan	24	6.2	34	8.5	20	5.6	49	13.2	26	7.0
Sherman	78	9.6	94	11.6	96	12.4	77	9.8	99	12.7
Smith	65	10.1	68	10.6	62	10.4	64	10.6	61	10.2
Stafford	59	9.5	46	7.2	38	6.9	49	8.8	65	11.8
Stanton	29	11.6	26	9.5	24	10.3	32	12.6	21	8.3
Stevens	67	14.2	52	10.4	45	9.5	61	12.2	57	11.2
Sumner	314	12.9	301	12.3	214	8.6	317	12.6	303	11.8
Thomas	84	10.2	79	9.0	106	12.5	82	9.6	87	10.1
Trego	34	7.7	46	10.2	30	7.2	32	7.8	41	10.1
Wabaunsee	51	7.5	63	8.9	25	3.6	61	8.9	69	10.0
Wallace	32	14.3	24	11.2	21	10.3	14	6.8	21	10.4
Washington	83	9.2	86	9.5	70	8.2	72	8.6	93	11.2
Wichita	36	10.7	29	8.6	24	7.9	20	6.5	39	13.1
Wilson	100	7.6	113	9.4	95	7.8	115	9.2	134	10.5
Woodson	33	7.0	45	10.8	39	8.5	31	7.0	47	10.5
Wyandotte	1,886	10.4	1,920	11.3	1,850	10.7	1,934	11.1	1,968	11.4

Table 34
Divorces and Annulments by Number and Rate
By County of Action
Kansas, 1978-1982

County of Action	Year									
	1978		1979		1980		1981		1982	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Kansas.....	12,668	5.4	12,749	5.4	13,410	5.7	13,737	5.7	12,392	5.1
Allen.....	112	7.0	121	7.5	115	7.3	91	5.7	90	5.5
Anderson.....	20	2.4	23	2.7	33	3.8	30	3.4	45	5.1
Atchison.....	105	5.1	85	4.8	92	5.0	103	5.7	79	4.4
Barber.....	26	3.9	29	4.5	28	4.3	29	4.4	47	7.2
Barton.....	163	4.3	189	5.9	206	6.6	230	7.2	162	5.0
Bourbon.....	76	4.6	125	7.8	96	6.0	98	6.0	98	6.0
Brown.....	51	4.0	49	4.2	48	4.0	34	2.8	47	3.8
Butler.....	225	5.1	256	5.9	260	5.8	244	5.3	228	4.8
Chase.....	14	4.2	9	2.6	9	2.7	19	5.7	10	3.0
Chautauqua.....	24	4.7	30	6.5	22	4.4	23	4.6	11	2.2
Cherokee.....	131	5.5	172	8.0	146	6.5	152	6.9	118	5.3
Cheyenne.....	12	3.0	8	2.0	19	5.2	16	4.3	17	4.6
Clark.....	1	0.4	4	1.4	10	3.8	7	2.7	3	1.2
Clay.....	41	4.1	35	3.5	34	3.5	28	2.8	36	3.6
Cloud.....	42	3.0	49	3.8	44	3.5	54	4.3	29	2.3
Coffey.....	53	6.5	42	4.8	63	6.7	45	4.7	69	6.9
Comanche.....	7	2.6	7	2.5	9	3.5	10	3.9	5	2.0
Cowley.....	225	6.4	222	6.3	306	8.3	314	8.5	225	6.0
Crawford.....	175	4.6	232	6.2	232	6.1	240	6.4	176	4.7
Decatur.....	16	3.3	13	2.6	15	3.3	23	5.0	19	4.2
Dickinson.....	67	3.0	76	3.6	74	3.7	101	5.0	79	3.9
Doniphan.....	43	4.4	38	4.2	37	4.0	30	3.3	42	4.5
Douglas.....	366	5.6	398	5.9	454	6.7	377	5.6	398	5.8
Edwards.....	19	4.3	25	5.5	25	5.9	19	4.4	14	3.2
Elk.....	15	3.7	14	3.5	21	5.4	16	3.9	12	2.9
Ellis.....	111	4.3	95	3.5	131	5.0	163	6.1	110	4.1
Ellsworth.....	24	3.4	26	4.1	29	4.4	33	4.9	19	2.8
Finney.....	168	5.8	222	9.0	192	8.1	191	7.8	203	8.2
Ford.....	130	5.2	139	5.7	131	5.4	166	6.8	136	5.5
Franklin.....	143	6.7	116	5.5	115	5.3	135	6.2	115	5.2
Geary.....	307	13.2	340	11.6	347	11.6	386	12.8	355	11.7
Gove.....	9	2.3	5	1.3	10	2.7	13	3.4	9	2.3
Graham.....	11	2.5	13	3.1	25	6.3	20	4.9	21	5.3
Grant.....	35	4.8	45	5.9	43	6.2	33	4.5	42	5.6
Gray.....	12	2.3	16	2.9	11	2.1	18	3.4	16	3.0
Greeley.....	8	3.8	10	5.3	11	6.0	12	6.3	10	5.2
Greenwood.....	54	6.1	47	5.0	47	5.4	44	5.2	46	5.5
Hamilton.....	13	4.2	13	4.4	17	6.8	10	3.7	16	5.9
Harper.....	32	4.0	26	3.3	33	4.2	37	4.6	38	4.7
Harvey.....	141	4.9	119	4.0	134	4.4	133	4.3	135	4.3
Haskell.....	14	3.4	15	3.5	15	3.9	18	4.3	7	1.7
Hodgeman.....	3	1.2	8	3.1	7	3.1	4	1.7	9	3.9
Jackson.....	61	5.3	50	4.1	39	3.3	41	3.5	53	4.4
Jefferson.....	48	3.4	33	2.2	62	4.1	40	2.5	49	3.0
Jewell.....	18	3.1	14	2.4	17	3.2	22	4.2	22	4.3
Johnson.....	1,075	4.2	1,086	4.1	1,091	4.0	1,086	3.9	983	3.4
Kearny.....	10	2.9	17	4.5	14	4.1	13	3.7	20	5.6
Kingman.....	49	5.0	34	3.8	37	4.1	22	2.4	39	4.3
Kiowa.....	10	2.4	14	3.4	11	2.7	17	4.3	11	2.8
Labette.....	141	5.6	137	5.4	127	4.9	155	6.0	147	5.6
Lane.....	14	5.0	8	3.0	7	2.8	7	2.8	6	2.4
Leavenworth.....	355	6.8	344	6.2	283	5.2	337	6.1	371	6.8
Lincoln.....	15	3.2	10	2.2	14	3.4	11	2.7	14	3.4
Linn.....	36	4.2	30	3.4	37	4.5	39	4.7	33	3.9
Logan.....	8	2.2	12	3.3	20	5.8	18	5.0	15	4.2

Table 34 (cont.)
Divorces and Annulments by Number and Rate
By County of Action
Kansas, 1978-1982

County of Action	Year									
	1978		1979		1980		1981		1982	
	Number	Rate	Number	Rate	Number	Rate	Number	Rate	Number	Rate
Lyon	166	4.6	192	5.6	229	6.5	215	6.1	200	5.6
Marion	39	2.4	23	1.7	49	3.6	31	2.3	48	3.6
Marshall	41	3.1	30	2.2	37	2.9	45	3.6	39	3.1
McPherson	102	3.9	92	3.5	121	4.5	118	4.3	73	2.7
Meade	17	3.4	11	2.1	12	2.5	25	5.2	23	4.8
Miami	128	5.8	100	4.5	139	6.4	124	5.7	125	5.7
Mitchell	27	3.3	30	3.7	17	2.1	34	4.1	18	2.2
Montgomery	249	5.7	284	7.0	237	5.6	310	7.3	282	6.5
Morris	21	3.1	39	5.6	39	6.1	34	5.3	26	4.1
Morton	10	2.9	14	3.8	22	6.4	19	5.4	19	5.4
Nemaha	22	1.8	17	1.5	22	2.0	21	1.9	16	1.5
Neosho	73	4.0	82	4.4	81	4.3	100	5.3	70	3.7
Ness	6	1.3	14	3.0	9	2.0	25	5.6	20	4.5
Norton	24	3.3	31	4.7	23	3.4	38	5.8	20	3.1
Osage	32	2.2	40	2.7	55	3.6	61	4.0	69	4.4
Osborne	29	4.6	16	2.5	29	4.9	19	3.3	22	3.8
Ottawa	28	4.4	26	4.1	24	4.0	35	5.8	27	4.5
Pawnee	37	4.7	33	3.9	32	4.0	48	6.0	45	5.7
Phillips	34	4.2	33	4.2	26	3.5	34	4.5	25	3.4
Pottawatomie	60	4.2	61	4.3	58	3.9	37	2.4	61	3.9
Pratt	46	4.7	73	7.1	50	4.9	49	4.7	72	6.8
Rawlins	12	2.9	12	2.8	12	2.9	9	2.3	15	3.9
Reno	491	7.5	445	6.9	473	7.3	466	7.1	451	6.8
Republic	24	2.9	19	2.5	29	3.8	25	3.3	20	2.7
Rice	32	2.7	32	2.6	34	2.9	23	2.0	27	2.3
Riley	236	5.6	245	3.6	236	3.7	262	4.0	198	3.0
Rooks	16	2.2	10	1.4	23	3.3	24	3.6	31	4.8
Rush	12	2.4	14	2.9	4	0.9	12	2.7	11	2.5
Russell	39	4.1	35	3.8	40	4.5	55	6.5	51	6.1
Saline	339	7.2	251	4.9	297	6.1	359	7.1	243	4.7
Scott	26	3.9	28	4.5	14	2.4	32	5.3	27	4.5
Sedgwick	3,007	8.8	2,967	8.4	3,160	8.6	3,242	8.9	2,963	8.0
Seward	105	5.1	83	4.8	83	4.9	146	8.4	95	5.4
Shawnee	803	4.5	846	5.3	909	5.9	803	5.1	821	5.2
Sheridan	5	1.3	6	1.5	4	1.1	4	1.1	2	0.5
Sherman	40	4.9	44	5.4	67	8.6	50	6.4	41	5.3
Smith	19	3.0	15	2.3	14	2.4	24	4.0	21	3.5
Stafford	23	3.7	15	2.3	17	3.1	28	5.0	29	5.3
Stanton	13	5.2	5	1.8	10	4.3	12	4.7	9	3.5
Stevens	23	4.9	29	5.8	17	3.6	28	5.6	26	5.1
Sumner	129	5.3	98	4.0	91	3.7	125	5.0	105	4.1
Thomas	36	4.4	33	3.8	38	4.5	35	4.1	43	5.0
Trego	15	3.4	8	1.8	17	4.1	11	2.7	19	4.7
Wabaunsee	11	1.6	16	2.3	15	2.2	19	2.8	20	2.9
Wallace	9	4.0	5	2.3	2	1.0	3	1.5	-	-
Washington	23	2.5	6	0.7	23	2.7	15	1.8	15	1.8
Wichita	14	4.2	15	4.5	21	6.9	9	2.9	13	4.4
Wilson	72	5.5	65	5.4	69	5.7	77	6.2	66	5.2
Woodson	17	3.6	21	5.1	18	3.9	20	4.5	18	4.0
Wyandotte	802	4.4	845	5.0	907	5.3	840	4.8	603	3.5

Table 35
Population, Live Births and Total Deaths
By City of Residence
Kansas, 1981 and 1982

City of Residence	1981					1982				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Abilene	6,630	90	13.6	105	15.8	6,615	114	17.2	84	12.7
Andover	2,870	n.a.	n.a.	n.a.	n.a.	2,945	50	17.0	6	2.0
Anthony	2,723	39	14.3	45	16.5	2,755	40	14.5	52	18.9
Arkansas City	13,174	192	14.6	185	14.0	13,396	196	14.6	206	15.4
Atchison	11,127	185	16.6	163	14.6	11,098	179	16.1	137	12.3
Augusta	7,140	132	18.5	64	9.0	7,327	137	18.7	67	9.1
Baldwin City	2,830	35	12.4	21	7.4	2,853	36	12.6	21	7.4
Baxter Springs	4,747	68	14.3	51	10.7	4,780	76	15.9	71	14.9
Belleville	2,778	30	10.8	58	20.9	2,754	19	6.9	56	20.3
Beloit	4,440	57	12.8	63	14.2	4,497	53	11.8	65	14.5
Bonner Springs	6,322	120	19.0	66	10.4	6,296	100	15.9	51	8.1
Burlington	2,972	n.a.	n.a.	n.a.	n.a.	3,096	50	16.1	46	14.9
Chanute	10,532	183	17.4	150	14.2	10,593	166	15.7	151	14.3
Cherryvale	2,779	51	18.4	39	14.0	2,830	46	16.3	31	11.0
Clay Center	5,052	64	12.7	88	17.4	5,072	69	13.6	81	16.0
Coffeyville	15,240	245	16.1	180	11.8	15,519	297	19.1	172	11.1
Colby	5,597	83	14.8	28	5.0	5,639	110	19.5	54	9.6
Columbus	3,407	45	13.2	49	14.4	3,431	55	16.0	55	16.0
Concordia	6,862	92	13.4	117	17.1	6,814	91	13.4	92	13.5
Derby	9,744	158	16.2	46	4.7	9,838	146	14.8	31	3.2
Dodge City	18,160	405	22.3	137	7.5	18,287	424	23.2	131	7.2
Edwardsville	3,394	n.a.	n.a.	n.a.	n.a.	3,380	72	21.3	39	11.5
El Dorado	10,769	208	19.3	159	14.8	11,051	191	17.3	157	14.2
Ellinwood	2,556	n.a.	n.a.	n.a.	n.a.	2,576	44	17.1	22	8.5
Emporia	25,467	481	18.9	224	8.8	25,746	510	19.8	230	8.9
Eudora	2,935	n.a.	n.a.	n.a.	n.a.	2,958	49	16.6	17	5.7
Eureka	3,314	48	14.5	61	18.4	3,271	46	14.1	69	21.1
Fairway	4,766	58	12.2	43	9.0	4,872	48	9.9	39	8.0
Fort Scott	9,034	121	13.4	153	16.9	9,134	138	15.1	150	16.4
Fredonia	3,132	35	11.2	45	14.4	3,205	42	13.1	53	16.5
Frontenac	2,573	n.a.	n.a.	n.a.	n.a.	2,578	29	11.2	23	8.9
Galena	3,567	54	15.1	65	18.2	3,592	36	10.0	59	16.4
Garden City	18,744	435	23.2	119	6.3	19,066	495	26.0	130	6.8
Garnett	3,315	56	16.9	71	21.4	3,341	67	20.1	70	21.0
Girard	2,874	42	14.6	52	18.1	2,880	44	15.3	44	15.3
Goodland	5,772	81	14.0	63	10.9	5,712	96	16.8	53	9.3
Great Bend	16,926	343	20.3	178	10.5	17,056	359	21.0	169	9.9
Hays	16,728	380	22.7	102	6.1	16,775	369	22.0	94	5.6
Haysville	7,972	108	13.5	24	3.0	8,049	111	13.8	35	4.3
Herington	2,956	32	10.8	46	15.6	2,949	33	11.2	58	19.7
Hesston	3,046	n.a.	n.a.	n.a.	n.a.	3,091	37	12.0	11	3.6
Hiawatha	3,732	50	13.4	58	15.5	3,781	46	12.2	64	16.9
Hillsboro	2,703	31	11.5	34	12.6	2,701	34	12.6	37	13.7
Hoisington	3,748	75	20.0	45	12.0	3,777	64	16.9	42	11.1
Holton	3,188	41	12.9	51	16.0	3,211	39	12.1	45	14.0
Hugoton	3,339	46	13.8	27	8.1	3,407	60	17.6	28	8.2
Hutchinson	40,591	656	16.2	374	9.2	40,979	672	16.4	483	11.8
Independence	10,636	177	16.6	155	14.6	10,831	196	18.1	141	13.0

Table 35 (cont.)
Population, Live Births and Total Deaths
By City of Residence
Kansas, 1981 and 1982

City of Residence	1981					1982				
	Population	Live Births		Total Deaths		Population	Live Births		Total Deaths	
		Number	Rate	Number	Rate		Number	Rate	Number	Rate
Iola	7,136	120	16.8	101	14.2	7,215	105	14.6	108	15.0
Junction City	19,523	803	41.1	125	6.4	19,559	778	39.8	150	7.7
Kansas City	162,533	3,332	20.5	1,600	9.8	161,853	3,197	19.8	1,560	9.6
Kingman	3,605	51	14.1	44	12.2	3,634	46	12.7	42	11.6
Lansing	5,318	74	13.9	20	3.8	5,307	57	10.7	20	3.8
Larned	4,733	77	16.3	74	15.6	4,674	79	16.9	66	14.1
Lawrence	52,757	789	15.0	254	4.8	53,177	729	13.7	245	4.6
Leavenworth	33,724	526	15.6	304	9.0	33,656	555	16.5	316	9.4
Leawood	13,785	109	7.9	81	5.9	14,092	108	7.7	99	7.0
Lenexa	19,232	323	16.8	93	4.8	19,660	314	16.0	96	4.9
Liberal	15,241	368	24.1	109	7.2	15,436	382	24.7	116	7.5
Lindsborg	3,188	40	12.5	48	15.1	3,230	35	10.8	31	9.6
Lyons	4,077	68	16.7	61	15.0	4,045	56	13.8	59	14.6
Manhattan	33,685	747	22.2	180	5.3	33,833	708	20.9	167	4.9
Marysville	3,634	63	17.3	50	13.8	3,599	66	18.3	66	18.3
McPherson	11,877	202	17.0	108	9.1	12,032	182	15.1	115	9.6
Medicine Lodge	2,379	55	23.1	46	19.3	2,384	42	17.6	46	19.3
Merriam	11,137	161	14.5	79	7.1	11,385	176	15.5	64	5.6
Mission	8,918	103	11.5	92	10.3	9,117	129	14.1	94	10.3
Mission Hills	4,028	14	3.5	27	6.7	4,118	15	3.6	34	8.3
Mulvane	4,255	81	19.0	21	4.9	4,305	69	16.0	34	7.9
Neodesha	3,510	49	14.0	51	14.5	3,592	39	10.9	50	13.9
Newton	16,509	269	16.3	171	10.4	16,752	272	16.2	172	10.3
Norton	3,342	41	12.3	50	15.0	3,317	39	11.8	53	16.0
Olathe	38,443	865	22.5	172	4.5	39,299	849	21.6	160	4.1
Osage City	2,685	33	12.3	39	14.5	2,734	27	9.9	51	18.7
Osawatomie	4,462	69	15.5	63	14.1	4,485	77	17.2	67	14.9
Ottawa	11,023	178	16.1	133	12.1	11,180	185	16.5	140	12.5
Overland Park	84,385	1,083	12.8	427	5.1	86,264	1,065	12.3	486	5.6
Paola	4,560	69	15.1	64	14.0	4,583	71	15.5	62	13.5
Parsons	12,979	226	17.4	171	13.2	13,070	206	15.8	158	12.1
Phillipsburg	3,270	43	13.1	38	11.6	3,246	56	17.3	38	11.7
Pittsburg	18,677	263	14.1	241	12.9	18,716	272	14.5	248	13.3
Plainville	2,316	55	23.7	28	12.1	2,270	50	22.0	38	16.7
Prairie Village	25,441	328	12.9	157	6.2	26,008	281	10.8	174	6.7
Pratt	7,014	118	16.8	93	13.3	7,135	131	18.4	75	10.5
Roeland Park	8,215	114	13.9	54	6.6	8,398	116	13.8	57	6.8
Russell	5,164	85	16.5	64	12.4	5,089	103	20.2	69	13.6
Salina	43,476	714	16.4	355	8.2	44,154	714	16.2	383	8.7
Scott City	4,326	72	16.6	35	8.1	4,340	85	19.8	53	12.2
Shawnee	30,596	473	15.5	131	4.3	31,277	431	13.8	120	3.8
Topeka	117,972	1,981	16.8	1,159	9.8	118,469	2,005	16.9	1,177	9.9
Ulysses	4,921	105	21.3	35	7.1	4,991	107	21.4	46	9.2
Valley Center	3,286	71	21.6	26	7.9	3,318	64	19.3	20	6.0
Wamego	3,263	68	20.8	30	9.2	3,378	60	17.8	26	7.7
Wellington	8,302	133	16.0	121	14.6	8,436	146	17.3	120	14.2
Wichita	278,085	6,073	21.8	2,494	9.0	280,769	6,178	22.0	2,442	8.7
Winfield	10,714	193	18.0	147	13.7	10,895	172	15.8	130	11.9

Source: Kansas Department of Health and Environment

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